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Parts I and II
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AFSC 2A1X1

AVIONIC SENSORS MAINTENANCE

CAREER FIELD EDUCATION AND TRAINING PLAN

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AFSC 2A1X1

Table of Contents

PART I Page Number

PART II

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AFSC 2A1X1
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PART I

PREFACE

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide personnel a clear career path to success and instill rigor in all aspects of career field training. To read, review, or print a copy of current CFETP, go to the Aircraft Maintenance Homepage at: **http://www.il.hq.af.mil/ilm/ilmm/acmaint/ac-tng.html**. ***NOTE:*** Civilians occupying associated positions will use Part II to support duty position qualification training.

2. The CFETP consists of two parts; both parts of the plan are used by supervisors to plan, manage, and control training within the career field.
2.1. Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan. Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path. Section C associates each level with specialty qualifications (knowledge, education, training, and other). Section D indicates resource constraints. Some examples are funds, manpower, equipment, facilities. Section E identifies transition training guide requirements to support career field restructures.
2.2. Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, and technical references to support training; Air Education and Training Command (AETC) conducted training; wartime course requirements; core tasks; and correspondence course requirements. Section B contains the course objective list and training standards supervisors use to determine if airmen satisfied training requirements. Section C identifies available support materials. An example is a Qualification Training Package (QTP) developed to support proficiency training. These QTP packages are identified in AFIND8, *Numerical Index of Specialized Educational Training Publications.* Section D identifies a training course index supervisors use to determine resources available to support training; included here are both mandatory and optional courses. Section E identifies MAJCOM unique training requirements supervisors use to determine additional training requirements unique to the MAJCOM.

3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

ABBREVIATIONS/TERMS EXPLAINED

Advanced Training (AT). Formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

Air Force Job Qualification Standard (AFJQS). A comprehensive task list which describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on AFJQS are common to all persons serving in the described duty position.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive, multipurpose document covering the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

Certification. A formal indication of an individual's ability to perform a task to required standards.

Certification Official. A person the commander assigns to determine an individual's ability to perform a task to required standards.

Continuation Training. Additional training exceeding requirements with emphasis on present or future duty assignments.

Core Task. A task Air Force Career Field Managers (AFCFMs) identify as a minimum qualification requirement within an Air Force Specialty regardless of duty position. Core task identified with an *R are optional for AFRC and ANG.

Course Objective List (COL). A publication identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-, 5-, and 7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, *Developing, Managing and Conducting Military Training Programs.*

Enlisted Specialty Training (EST). A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

Exportable Training. Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

Field Technical Training (Type 4). Special or regular on-site training conducted by a training detachment (TD) or by a mobile training team (MTT).

Initial Skills Training. A formal resident course which results in award of a 3-skill level AFSC.

Instructional System Development (ISD). A deliberate and orderly process for developing, validating, and reviewing instructional programs that ensures personnel are taught the knowledge and skills essential for successful job performance.

Mission Ready Technician. A formal course which results in an airman receiving hands-on training and task certification of selected tasks so the individual will be immediately productive upon arrival at their first duty section.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training at the duty location used to certify personnel for both skill level upgrade and duty position qualification.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an airman in a specific duty position. This training occurs both during and after the upgrade training process. It is designed to provide the performance skill/knowledge training required to do the job.

Qualification Training Package (QTP). An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer-based, or in other audiovisual media.

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, and equipment that preclude desired training from being accomplished.

Specialized Training Package and COMSEC Qualification Training Package. A composite of lesson plans, test material, instructions, policy, doctrine, and procedures necessary to conduct training. These packages are prepared by AETC, approved by National Security Agency (NSA), and administered by qualified communications security (COMSEC) maintenance personnel.

Specialty Training Standard (STS). An Air Force publication that describes an Air Force Specialty in terms of tasks and knowledge an airman may be expected to perform or to know on the job. It serves as a contract between the Air Education and Training Command and the functional user to show which of the overall training requirements for an Air Force Specialty Code are taught in formal schools, career development courses, and exportable courses.

Training Impact Decision System (TIDES). A computer-based decision support technology being designed to assist AFCFMs in making critical judgments relevant to what training should be provided personnel within career fields, when training should be provided (at what career points), and where training should be conducted (training setting).

Upgrade Training (UGT). A mixture of mandatory courses, task qualification, QTPs, and CDCs required for award of the 3-, 5-, 7-, or 9-skill levels.

Utilization and Training Workshop (U&TW). A forum of MAJCOM Air Force Specialty Code (AFSC) Functional Managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

SECTION A - GENERAL INFORMATION

1. Purpose. This CFETP provides the information necessary for the Air Force Career Field Manager (AFCFM), MAJCOM functional managers (MFMs), commanders, training managers, supervisors, and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in AFSC 2A1X1 should receive to develop and progress throughout their career. This CFETP identifies initial skills, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. This training is conducted by AETC at Sheppard AFB TX. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, and 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in-residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:

1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.

1.2. Identifies tasks and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individual's career.

1.3. Lists training courses available in the specialty and identifies sources of training, and the training delivery method.

1.4. Identifies major resource constraints which impact full implementation of the desired career field training process.

2. Uses. This plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

2.1. AETC training personnel will develop/revise formal resident, non-resident, Training Detachment (TD), and exportable training based upon requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining the resources needed to provide the identified training.

2.2. MFMs ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM developed training, to support this AFSC, must be identified for inclusion in this plan and must not duplicate other available training resources.

2.3. Each individual will complete the mandatory training requirements specified in this plan. The list of courses in Part II will be used as a reference to support training.

3. Coordination and Approval. The AFCFM is the approving authority. The using MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. The AETC training manager for AFSC 2A1X1 will initiate an annual review of this document by AETC and MAJCOM AFSC functional managers to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training.

SECTION B - CAREER FIELD PROGRESSION AND INFORMATION

4. **Specialty Descriptions.**

4.1 Specialty Summary. Maintains, repairs, inspects, or supervises maintenance actions on avionic sensor systems equipment such as infrared detection sets, closed circuit and low light or all light level television, optical cameras, data display sets, infrared mapping sets, videotape and digital recorders, laser target designator, laser receivers, terrain following radar, sensor control systems, and associated support equipment (SE). Related DoD Occupational Subgroup: 103.

4.2. **Duties and Responsibilities:**

4.2.1. Avionic Sensors Maintenance Apprentice and Journeyman: Maintains, repairs, and inspects avionic systems equipment such as infrared detectors, closed circuit and low light level television, optical cameras, aircraft camera parameter controls, data display sets, videotape and digital recorders, laser target designators, receivers and rangers, terrain following radar, sensor control systems, night vision devices, and associated support equipment. Tests, inspects, and troubleshoots sensor systems and support equipment to locate defects in electronic, electro-optical, and mechanical components. Operates equipment in aircraft or shop, and evaluates equipment performance. Prepares mobile maintenance facilities for rapid deployment. Isolates inoperative or malfunctioning equipment through standard system functional checks, measurements, and other flightline or shop tests. Runs automatic diagnostics software. Repairs, replaces, aligns, services, inspects, and calibrates avionic sensor systems and support equipment to achieve operating efficiency. Uses manual or automatic test equipment to test serviceability of components. Installs sensor systems. Ensures equipment serviceability prior to installation on aircraft. Assembles, connects, and boresights flightline replaceable components. Tests installed equipment according to technical orders. Prepares aircraft for low altitude attack profiles, precision bombing, search and rescue, covert operations, and reconnaissance missions. Handles, labels, and disposes of hazardous materials and waste according to environmental standards. Inputs maintenance actions into automated maintenance data collection systems (MDCS). Provides training and task certification for skill level advancement. Reports product quality deficiencies and recommends improvements to avionic sensor equipment and the maintenance process.

4.2.2. Avionic Sensors Maintenance Craftsman: Performs maintenance, supervises, and trains personnel in avionic sensor maintenance. Coordinates maintenance activities with other agencies. Interprets technical orders, block and wiring diagrams, and data flow to diagnose malfunctions. Analyzes data received from testing and troubleshooting procedures to determine necessary repair. Inspects avionic sensor systems to determine operational status. Interprets inspection findings and determines adequacy of correct actions. Reviews maintenance

management publications and operating instructions to obtain avionic sensor system information. Ensures compliance with published safety guidelines. Provides training and task certification for skill level advancement. Reports product quality deficiencies and recommends improvements to avionic sensor equipment and the maintenance process. Posts inspection findings on maintenance and inspection records.

4.2.3. Avionics Superintendent: Manages and directs maintenance functions and activities. Included are areas of avionics sensors, communications and navigation, guidance and control, airborne warning and control radar, inertial and radar navigation, airborne command post communication systems, avionics test stations, electronic warfare (EW) systems, and avionics support equipment. Plans, organizes, and directs avionics activities. Establishes production controls and work standards. Analyzes reports on the installation, removal, overhaul, repair, calibration, and modification of avionics systems and associated support equipment. Directs avionics activities. Directs, controls, and plans inspection, removal, replacement, calibration, and repair of avionics systems and associated support equipment. Determines extent and economy of repair or replacement of components. Coordinates with supply, operations, and other maintenance activities to improve procedures and ensure mission support. Inspects and evaluates avionics activities. Establishes and checks inspection procedures. Inspects activities to solve maintenance, supply, manpower, and personnel problems. Interprets findings, and recommends corrective action. Ensures compliance with directive governing handling, use, and disposal of hazardous waste and material. Performs avionics functions. Solves problems and interprets publications for inspection, repair, modification, overhaul, removal, installation, and calibration of avionics systems and associated support equipment. Plans and implements budgets, modifications, and acquisition processes. Plans and executes mobility programs and equipment deployments. Plans physical layout of facilities, and ensures support equipment and spare parts availability.

5. Career Skill Progression. Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish it’s mission. It is essential that everyone involved in training do their part to plan, develop, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives necessary training at appropriate points in their career. The following narrative and AFSC 2A1X1 Career development Flowcharts identify the career skill level progression.

5.1. Apprentice (3-level): Upon completion of initial skills training, a trainee will work with a trainer to enhance their knowledge and skills. They will utilize the Career Development Course, Task Qualification Training, and available exportable courses for continued advancement. Once task certified, a trainee may perform the task unsupervised. Apprentices can be considered for appointment as unit trainers after completion of a formal trainer course.

5.2.Journeyman (5-level): Once upgraded to the 5-level, a journeyman will enter into continuation training to broaden their experience base. Journeymen may be assigned job positions such as quality assurance and various staff positions. Journeymen should complete available FTD courses and MAJCOM specific training. Individuals will attend the Airman Leadership School (ALS) after having 48 months in the Air Force. Journeymen will be considered for appointment as unit trainers after completion of a formal trainer course. Individuals will use their CDCs to prepare for promotion testing. They should also consider

continuing their education toward a Community College of the Air Force (CCAF) degree. Time lines and requirements may vary for ANG and AFRC.

5.3. Craftsman (7-level): A craftsman can expect to fill various supervisory and management positions such as shift leader, element chief, flight/section chief, and task certifier. They can also be assigned to work in staff positions. Craftsmen should take courses to obtain added knowledge on management of resources and personnel. Continued academic education through CCAF and higher degree programs is encouraged. In addition, when promoted to TSgt, individuals will complete the Noncommissioned Officer Academy.

5.4. Superintendent (9-level): A 9-level can be expected to fill positions such as flight NCOIC, production supervisor, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Individuals promoted to SMSgt will complete the Senior Noncommissioned Officer Academy. Additional higher education and completion of courses outside their career AFSC are also recommended.

6. **Training Decisions:** The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the sensor maintenance career field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure we develop affordable training, eliminate duplication, and prevent a fragmented approach to training. The following training decisions were made by MAJCOM Functional Managers and Subject Matter Experts (SMEs) at the career field Utilization and Training Workshop held at Sheppard AFB, 13-17 Apr 98.

6.1. Initial Skills: Three-Level Course Review/Upgrade Training: There was a shift in emphasis in 3 level training to LANTIRN systems and Forward Looking Infrared (FLIR) systems. Introduction to basic troubleshooting techniques and schematics was added. Training on Airborne Video Tape Recorders was deleted due to the conversion to 8 mm VTR which is a two-level maintenance (2LM) item. Theory of operation training was added on specific systems while broad theory of operation was deleted. Under sensor systems fundamentals, principles of operation was retained.

6.2. Five-Level Upgrade Training: In the career development course (CDC), the group decided to reduce the level of detail for troubleshooting, using test equipment, and principles for the various sensor systems. In addition, complete coverage of the theory of operation for all applicable systems will be incorporated into the CDCs. The following changes will be implemented: lifting device safety, maintaining training records, documenting aircraft forms, principles of analytical troubleshooting, reading schematics and diagrams, theory of LANTIRN support equipment, description and theory of operation of All Light Level Television, AJQ-24 Platform theory of operation, and charge coupled devices theory of operation. The following requirements were deleted: egress safety, preparation of equipment, and troubleshooting using manual and automatic test equipment (general). Three CAMS computer based training courses were added as mandatory training requirements effective after a CFETP change notice is published in Jun 98. A sweeping and broad-based review of 5-level upgrade requirements resulted in more knowledge level LANTIRN training, reduction of the in-shop technical requirements for airborne video tape recorders with increased knowledge training on AVTR flightline maintenance, increased knowledge of the U-2 camera systems and drift sight, and increased knowledge level on the various FLIR systems used in Special Operations.

6.3. Seven-Level Upgrade Training. There are no current 7-level CDC requirements for this career field. However, the Career Field Functional Manager introduced and briefed the 2AX7X, Maintenance Supervision and Management course: Unit 1, Management Within the Maintenance Complex; Unit 2, Enlisted Specialty Training; Unit 3, Accountability for Records, Reports, and Forms; Unit 4, Supply Management; Unit 5, Logistics and Resource Management; and Unit 6, Computers and Computer Usage. The working group agreed to use this course as the career field's 7-level CDC with some minor changes to meet the need of the career field. The working group elected to change the current 7-level in resident course. After considerable discussion, the working group elected the 2AX7X CDC and Computer Based Training (CBT) course J3AZU00066-063, Core Automated Maintenance System (Senior-level Maintenance Managers) as prerequisites to attend the 7-level in resident course.

6.4. Continuation Training. The purpose of the continuation training program is to provide additional training exceeding minimum upgrade training requirements with emphasis on present and future duty positions. MAJCOMs develop a continuation training program that ensures individuals in the avionic sensor career field receive necessary training at the appropriate point in their career. The training program identifies both mandatory and optional training requirements.

7. Community College of the Air Force (CCAF) Academic Programs. Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associate in Applied Sciences Degree. In addition, CCAF offers the following:

7.1. Occupational Instructor Certification. Upon completion of instructor qualification training, consisting of the Basic Instructor Course (BIC) and supervised practice teaching, CCAF instructors who possess an associates degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.

7.2 Trade Skill Certification. When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The college uses a competency based assessment process for trade skill certification at one of four proficiency levels; Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.

7.3. Degree Requirements: All airmen are automatically entered into the CCAF program to receive an Associates in Applied Technology Degree. Prior to completing an associates degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education	24
Leadership, Management, and Military Studies	6
Physical Education	4
General Education	15
Program Elective	15
Technical Education; Leadership, Management, and Military Studies; or General Education	
Total	64

7.3.1. Technical Education (24 Semester Hours): Completion of course J3ABR2A131-000 satisfies all 24 semester hours of the technical education requirement.

Technical Core

Subjects/Courses	Semester Hours
Avionic Systems Theory/Maintenance	24
CCAF Internship	16

Technical Electives

Subjects/Courses	Semester Hours
Advanced Electives	12
Leadership, Management, and Military Studies	6
Physical Education	4
General Education	15
Program Elective Technical Education; Leadership, Management, and Military Studies; or General Education	15
Total	64

7.3.2. Leadership, Management, and Military Studies (6 Semester Hours): Professional military education and/or civilian management courses. Refer to the CCAF General Catalog for application of courses to the Leadership, Management, and Military Studies area.

7.3.3. Physical Education (4 Semester Hours):

	Semester Hours
PHE 1000	4

7.3.4. General Education (15 Semester Hours): Courses must meet the definition of General Education subjects/courses as provided in the CCAF General Catalog.

Subjects/Courses	Semester Hours
Oral Communications (Speech)	3
Written Communication (English Composition)	3
Mathematics Intermediate algebra or college-level mathematics course is required. If an acceptable mathematics course is applied as a Technical or Program Elective, A natural science course meeting GER application criteria may be applied as a General Education Requirement.	3
Social Science Anthropology, Archaeology, Economics, Geography, Government, History, Political Science, Psychology, Sociology	3
Humanities Fine Arts (History, Criticism, and Appreciation), Foreign Language, Literature, Philosophy, Religion	3

7.3.5. Program Elective (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree-

applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.

7.4. AETC Instructor Requirements. Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an Air Education and Training Command Instructor should be actively pursuing an associate's degree. It is necessary for instructors to have at least an associate's degree so the Technical School can maintain accreditation through the Southern Association of Colleges and Schools.

8. Career Field Path.

8.1. Enlisted Career Path. Table A8.1 identifies career milestones for the 2A1X1 Air Force Specialty.

Table 8.1 Enlisted Career Path

Education and Training Requirements	Grade Requirements			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training School				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Minimum 15 months on-the-job training. - Complete all 5-level core tasks on one MDS. - Complete appropriate CDC if/when available.	Amn A1C SrA	6 months 16 months 3 years	28 months	10 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).				
Trainer - Qualified and certified to perform the task to be trained. - Have attended the formal trainer's course and appointed in writing by Commander.	**Certifier** - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified - Attend formal certifier course and appointed in writing by Commander. - Be a person other than the trainer.			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - Complete all 5- and 7-level core tasks on one MDS. - 18 months OJT. - Complete appropriate CDC if/when available. - Advanced Technical School.	SSgt	7.5 years	3 years	20 Years
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt MSgt	12.5 years 16 years	5 years 8 years	20 Years 24 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - A percentage of top nonselect (for promotion to E-8) MSgts attend the SNCOA each year. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	26 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt. - Must be a resident graduate of SNCOA (Active Duty Only).	CMSgt	21.5 years	14 years	30 Years

8.2. Base/Unit Education and Training Manager Checklist: Table A8.2. provides base and unit education and training managers a tool to track progress of individuals in the 2A1X1 Air Force Specialty.

Table A8.2. Base/Unit Education and Training Manager Checklist		
Requirements for Upgrade to:	**Y**	**N**
Journeyman - Has the apprentice completed mandatory CDCs if available? NOTE: Upgrade trainees will not be required to retake their respective shred 5-level CDC again to fulfill requirements. The below matrix provides continuity for 2A1X1 CDCs completed prior to restructures/mergers: **455X0A converted to 2A1X1 455X0B converted to 2A1X1** - Has the apprentice completed all 5-level core tasks on at least one MDS aircraft identified in the CFETP? - Has the apprentice completed all other duty position tasks identified by the supervisor? - Has the apprentice completed 15 months training (9 months for retrainees) for award of the 5-skill level? - Has the apprentice met mandatory requirements listed in specialty description, AFMAN 36-2108 (Airman Classification), and CFETP? - Has the apprentice been recommended by their supervisor?		
Craftsman - Has the journeyman achieved the rank of SSgt? - Has the journeyman completed mandatory CDCs? if available? - Has the journeyman completed all 5- and 7-level core tasks on at least one MDS aircraft identified in the CFETP? - Has the journeyman completed all other duty position tasks identified by the supervisor? - Has the journeyman attended 7-skill level Craftsman Course (if available)? **First, they must complete:** -- All 7-level training requirements listed in the CFETP. -- All applicable mandatory CDCs and /or exportable courses. -- A minimum of 12 months UGT (6 months for retrainees). - Has the journeyman completed a minimum of 18 months UGT (12 months for retrainees) for award of the 7-skill level?		
Journeyman/Craftsman Qualification Training (see paragraph 16 on page 16, must be completed by 31 Dec 99) - All personnel not currently in upgrade training, will be assigned training status code (TSC) D until all mandatory MDS core tasks, and work center determined tasks to support test station calibrations are complete. Previously qualified 7 levels assigned training status code D will not be required to attend the in-residence seven level course.		

TO: Squadron/CC
FROM: Squadron Training Manager
SUBJECT: Upgrade Trainee

Trainee is prepared to be upgraded and has completed all mandatory training requirements. Supervisor recommends upgrade.

_____ _____

Training Manager Supervisor

SECTION C - SKILL LEVEL TRAINING REQUIREMENTS

9. Purpose. Skill level training requirements in this career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific task and knowledge training requirements are identified in the STS in Part II, Sections A and B of this CFETP.

10. Specialty Qualification. The various skill levels in this career field are defined in terms of tasks and knowledge proficiency requirements for each skill level. They are stated in broad general terms and establish the standards of performance. The specific task and knowledge training requirements are identified in the STS in Part II, Section A of the CFETP. Unit work centers must develop a structured training program to ensure the following requirements are met.

10.1. Apprentice Level Training.

10.1.1. Specialty Qualification: To perform duties at the apprentice level, an individual must be able to understand basic system theory of operation and be able to perform certain on-equipment and off-equipment items identified in Part II.

10.1.1.1. Knowledge: Knowledge is mandatory of: principles of laser, infrared, optics, cryogenics, refrigeration and environmental controls, videotape, closed circuit and low light level television, and electronics; analog and digital components and techniques; microprocessors and associated computers; interpreting technical orders, wiring and logic diagrams, and schematic drawings applying to avionic sensor systems and related SE; and concepts and application of maintenance directives. They must also know how to handle, store, and dispose of hazardous waste and materials according to environmental standards.

10.1.1.2. Education: For entry into this specialty, completion of high school with courses in basic electronics, mathematics, general science and physics is desirable.

10.1.1.3. Training: Training to the three-skill level will require completion of the initial skills courses which include Electronic Principles conducted at Lackland AFB and AFSC specific training conducted at Sheppard AFB TX.

10.1.1.4. Experience: There is no experience necessary for entry into AFSC 2A1X1.

10.1.1.5. Other: The following are mandatory as indicated:

10.1.1.5.1. For entry into this specialty:

10.1.1.5.1.1. Normal color vision as defined in AFI 48-123, *Medical Examination and Standards.*

10.1.1.5.1.2. Visual qualification according to Air Force Occupational Safety and Health Standard 48-10, *Laser Radiation Protection Program,* for performing duty in laser hazard areas.

10.1.1.5.1.3. For award and retention of AFSCs 2A131/51/71, eligibility for a Secret security clearance according to AFI 31-501, *Personnel Security Management Program.*

10.1.2. Training Sources. The initial skills course, J3ABR2A131-003, will provide the required knowledge and qualifications. Initial skills training encompasses basic closed circuit television, infrared, laser, video tape recorder, radar, environmental control, night vision and optical system theory. It also includes system operation, system component removal and installation, introduction to maintenance concepts and troubleshooting, maintenance documentation with CAMS, support equipment familiarization and use, and general shop

maintenance practices.
10.1.3. Implementation. Upon graduation from Basic Military Training, airmen will attend course L3AQR2A131-125, Electronic Principles at Lackland AFB, TX., then proceed to Sheppard AFB, TX. to complete the J3ABR2A131-003, Apprentice Avionic Sensor Maintenance Training Course. Completion of both courses will result in award of the 3-skill level.
10.2. Journeyman Level Training:
10.2.1. Specialty Qualification: In addition to the 3-level qualifications:
10.2.1.1. Knowledge: An individual must possess the knowledge and skills necessary to maintain avionic sensor systems, analyze and correct system malfunctions, repair and replace system wiring and other electrical components, perform operational checks and Built-In Tests (BITs), use and maintain test and support equipment. They must also know how to handle, store, and dispose of hazardous waste and materials according to environmental standards.
10.2.1.2. Education: There is no formal education for upgrade to 2A151.
10.2.1.3. Training: Requirements for the Journeyman level require completion of the 5-level CDC and completion of all applicable 5-level core tasks on at least one MDS aircraft specified in the STS.
10.2.1.4. Experience: Qualification in and possession of AFSC 2A131. Also, experience performing functions such as installing, maintaining, or repairing avionic sensor systems.
10.2.1.5. Other: The following are mandatory as indicated:
10.2.1.5.1. For entry into this specialty:
10.2.1.5.1.1. Normal color vision as defined in AFI 48-123, *Medical Examination and Standards.*
10.2.1.5.1.2. Visual qualification according to Air Force Occupational Safety and Health Standard 48-10, *Laser Radiation Protection Program*, for performing duty in laser hazard areas.
10.2.1.5.1.3. For award and retention of AFSCs 2A131/51/71, eligibility for a Secret security clearance according to AFI 31-501, *Personnel Security Management Program.*
10.2.2. Training Sources and Resources. The 5-level CDC provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the applicable core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.
10.2.3. Implementation. Training to the 5-level is performed by the units, utilizing the STS, exportable courses, and CDCs. Upgrade to the 5-level requires completion of the 2A151, Avionic sensor maintenance Journeyman CDC, completion of all 5-level core tasks on one MDS aircraft, and MAJCOM/Unit requirements.
10.3. Craftsman Level Training:
10.3.1. Specialty Qualification. In addition to the 5-level qualifications:
10.3.1.1. Knowledge. An individual must possess advanced skills and knowledge of theory, concepts, principles and application of avionic sensor systems and equipment. The 7-level must be able to supervise, train, and utilize resources to ensure effective maintenance. The 7-levels must be qualified on advanced repair and inspection techniques; component and system fault isolation; repair requirements, shop procedures and evaluations; supervision, and historical documentation analysis.
10.3.1.2. Education. There are no additional education requirements beyond those defined for the apprentice level.
10.3.1.3. Training. Completion of an applicable 2A171 CDC and the resident 7-level course,

J3ACR2A171-000, at Sheppard AFB TX is mandatory for upgrade to AFSC 2A171.
10.3.1.4. Experience. Completion of all applicable 5 and 7-level core tasks on at least one MDS aircraft as identified in the STS, and qualification in and possession of AFSC 2A151. Also, experience performing or supervising functions such as installing, maintaining, or repairing avionic sensor systems.
10.3.1.5. Other. The following are mandatory as indicated:
10.3.1.5.1. For entry into this specialty:
10.3.1.5.1.1. Normal color vision as defined in AFI 48-123, *Medical Examination and Standards.*
10.3.1.5.1.2. Visual qualification according to Air Force Occupational Safety and Health Standard 48-10, *Laser Radiation Protection Program,* for performing duty in laser hazard areas.
10.3.1.5.1.3. For award and retention of AFSCs 2A131/51/71, eligibility for a Secret security clearance according to AFI 31-501, *Personnel Security Management Program.*
10.3.2. Training Sources and Resources. Seven-level upgrade training will be conducted by certified trainers using applicable core tasks, unit/MAJCOM specific courses, applicable 7-level CDC, and the formal 7-level course, J3ACR2A171-001. The resident courses and/or 7-level CDC s are written to provide advanced troubleshooting skills. Qualification training packages and exportable courses will also be developed and provided to the field units to help standardize OJT, enhance the training effort, and minimize the impact on productive man-hours.
10.3.3. Implementation. Upgrade to the 7-level will require completion of all applicable 5 and 7-level core tasks on one MDS aircraft, applicable 7-level CDCs, craftsman's maintenance course J3ACR2A171-000, 18 months OJT after selection to SSgt, and all mandatory exportable courses.
10.4. Superintendent Level Training (9-Level).
10.4.1. Specialty Qualification. In addition to 7-level qualifications:
10.4.1.1. Knowledge. An individual must possess advanced skills and knowledge of concepts and principles in the management of aircraft maintenance. The 9-level needs to be an effective leader; must be able to forecast, budget and manage funds and other resources; and must be knowledgeable of all environmental standards and ensure adherence to the proper handling and disposal of hazardous materials.
10.4.1.2. Education. There are no additional requirements beyond those defined for the apprentice level.
10.4.1.3. Training. For award of AFSC 2A190, completion of applicable PME courses and promotion to SMSgt is mandatory
10.4.1.4. Experience. Qualification in and possession of AFSC 2A171. Also experience managing or directing repair activities for electrical and environmental systems, and associated maintenance functions.
10.4.1.5. Other. Normal color vision as defined in AFI 48-123 is mandatory.
10.4.2. Training Sources and Resources. The senior NCO Academy and unit OJT will be used for training.
10.4.3. Implementation. The 9-level will be awarded after completing MAJCOM requirements, unit OJT and promoted to SMSgt. Individuals must attend the Senior NCO Academy after they are selected for promotion to SMSgt. ANG and AFRC personnel can use correspondence course.

SECTION D - RESOURCE CONSTRAINTS

11. Purpose: This section of the CFETP identifies known resource constraints which preclude optimum/desired training from being developed or conducted. Included is a narrative explanation of each resource constraint, an impact statement describing the effect on training, the resources needed, and actions required to satisfy the training requirements.

12. Apprentice Level Training.
12.1. Constraint: An additional LANTIRN station is required to support the added training requirements associated with the 5 courses.
12.1.1. Impact: The current training requirements don't provide adequate off-training time to perform scheduled and unscheduled maintenance. This will result in training deficiencies during maintenance on the existing LANTIRN station.
12.1.2. Resources Required: One LANTIRN Station.
12.1.3. Action Required: Place a LANTIRN station on order. (OPR: 365TRS/TRR)
12.2. Constraint: Unable to teach some STS items on representative Special Operations Equipment.
12.2.1. Impact: Unable to meet training requirements as defined at the U&TW.
12.2.2. Resources Required: A Q-17 receiver, camera, and support equipment is required.
12.2.3. Action Required: Procure equipment. (OPR: 365TRS/TRR OCR: HQ AFSOC/LGMM)
12.3. Constraint: Training deficiencies caused by excessive use of operational equipment for hands-on tasks.
12.3.1. Impact: Additional training deficiencies and equipment down-time due to using operational equipment for hands-on task training.
12.3.2. Resources Required: Condemned target pod and LANTIRN TRU.
12.3.3. Action Required: Procure additional equipment. (OPR: 365TRS/TRR)
12.4. Constraint: Out-of-date equipment and technical orders.
12.4.1. Impact: Trainees will not be familiar with latest equipment and procedures.
12.4.2. Resources Required: Waveguides and F-489 camera T.O.s.
12.4.3. Action Required: Procure updated equipment and technical orders. (OPR: 365TRS/TRR)

13. Five Level Training. There are no constraints.

14. Seven Level Training. There are no constraints.

15. Supplemental Training.
15.1. Constraint: Supplemental course for PMEL restructure unable to be taught. This requirement is driven by the proposed drawdown of the PMEL career field.
15.1.1. Impact: No training support for the restructure of PMEL Type IV workload transfer to avionics.
15.1.2. Resources Required: Equipment, TOs, and manpower resources to support the additional hours for course J3AZR2A171-003 to include calibration of the LANTIRN test station using PATEC.

15.1.3. Action Required: Procure updated equipment and technical orders. (OPR: 365TRS/TRR); Provide manpower resources. OPR: AETC/DOOI OCR: AF/ILMM

Section E. - Transitional Training Guide.

16. The U&TW working group developed a transition training plan to assume calibration of the LANTIRN test station with the PATEC. The purpose of the training plan is to define personnel training requirements to transition the career field to calibrate the LANTIRN test station following the Air Force decision to submit PME laboratories for a cost comparison study. A part of that decision was to transfer a small portion of the Type IV PMEL workload to avionics career fields. The only impact on the sensors career field was calibration of the LANTIRN test station using the PATEC.

16.1. Training of current LANTIRN personnel to calibrate the test station will be via OJT and supplemental course J3AZR2A171-003, LANTIRN support equipment course. Qualified 2P0X1 personnel will provide OJT for 2A1X1 personnel. HQ AF/ILMM will determine PMEL retraining requirements to AFSC 2A1X1. Sensor supervisors will ensure adequate personnel are qualified to provide task coverage and be self-sufficient NLT Jan 00.

16.2. Supplemental course J3AZR2A171-003 LANTIRN Support Equipment course will extend by 32 hours to add calibration of the test station. Course will be available within 60 days after AF/ILMM approves development. HQ AF/ILMM will provide necessary manpower resources through the PMEL cost comparison steering group.

PART II

SECTION A - SPECIALTY TRAINING STANDARD

1. Implementation. This STS will be used for technical training provided by Air Education and Training Command (AETC) for classes beginning Apr 99.

2. Purpose. As prescribed in AFI 36-2201, this STS:
2.1. Lists in the column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level. An asterisk (*) before the number indicates a wartime course objective.
2.2. Column 2 (Core Tasks) identifies, by asterisk (*), specialty-wide training requirements. Core tasks identified with an *R are optional for ANG and AFRC. As a minimum, certification on all shop/flightline core tasks applicable to at least one Mission Design Series (MDS) aircraft assigned must be completed for skill level upgrade. Core task exemptions: (1) core tasks which are not applicable to base assigned aircraft or equipment are not required for upgrade (units are not required to send personnel TDY for core task training); (2) units are not exempt from minimum core task training if aircraft/equipment are assigned to another unit on base, and (3) core tasks on more than one assigned MDS are not required unless deemed mandatory by the MAJCOM FM, unit, and/or supervisor.
2.3. Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification completed date.
2.4. Shows formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as result of training on the task/knowledge and the career knowledge provided by the correspondence course. When two codes are used in columns 4A and 4C(1) (e.g. 2b/b), the first code is the established requirement for resident training on the task/knowledge, and the second code indicates the level of training provided in the course due to equipment shortages or other resource constraints. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listing.
2.5. Qualitative Requirements. Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.
2.6. Job Qualification Standard. Becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, **On-The-Job Training Record**, and used according to AFI 36-2201. For OJT, the tasks in column 1 are trained and qualilfied to the go/no go level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures. When used as a JQS, the following requirements apply:
2.6.1 Documentation. Document and certify completion of training IAW AFMAN 36-2247, Chapter 5. Automated records, utilizing Core Automated Management System (CAMS) or Integrated Maintenance Data System (IMDS)/Global Combat Support Sytem (GCSS), reflecting this STS may be used and are highly encouraged. Use of attachments one and two is mandatory in individual training records. Identify duty position requirements by circling (in pencil) the

subparagraph number next to the task statement. As a minimum, complete the following columns in Part 2 of the CFETP: date training completed, trainee initials, trainer initials, and certifier initials (core tasks only). Trainers may sign off non-core and non-critical tasks by initialing the trainer's column; third party certification is not required for non-core and non-critical tasks. There are no approved AFJQS for this AFSC.

2.6.1.1. Converting from Old Document to CFETP. All AFJQSs and previous CFETPs are replaced by this CFETP; therefore, conversion of all training records to this CFETP STS is mandatory. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications.

2.6.1.1.1. For those core and critical tasks previously certified and required in the current duty position, evaluate current qualifications and when verified, recertify using current date as completion date, and enter trainee's and certifier's initials. Remember, during the transcription process no training is taking place. Therefore, the trainer's initials are not required.

2.6.1.1.2. For non-core and non-critical tasks previously certified and required in the current duty position, evaluate current qualifications and when verified, recertify using current date as completion date, and enter trainee's and trainer's initials.

2.6.1.1.3. When transcribing previous certification for tasks not required in the current duty position, carry forward only the previous completion date of certification (not the initials of another person). If and when transcribed tasks become duty position requirements, recertify using standard certification procedures.

2.6.1.1.4. The person whose initials appear in the trainer or certifier block during the transcription process must meet the requirements of their respective roles.

2.6.1.1.5. Upon completion of the transcription process, give the old CFETP to the member.

2.6.1.2. Documenting Career Knowledge. When a CDC is not available: the supervisor identifies CFETP Part II training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover the mandatory items in AFI 36-2108. For two-time CDC course exam failures: Supervisors identify all Part II items corresponding to the areas covered by the CDC. The trainee completes a study of references, undergoes evaluation by the task certifier, and receives certification on the CFETP Part II. **Supervisors must document successful completion of career knowledge prior to submission of a CDC waiver.**

2.6.1.3. Decertification and Recertification. When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous certification when using automated system. Appropriate remarks are entered on the AF Form 623A, **On-The-Job Training Record Continuation Sheet**, as to the reason for decertification. The individual is recertified (if required) either by erasing the old entries and writing in the new or by using correction fluid/tape (if the entries were made in ink) over the previously certified entry.

2.6.2. AF Form 797. When additional items not listed in the CFETP Part II are necessary in the current duty assignment, enter them on the AF Form 797. Fill out the form IAW AFMAN 36-2247.

2.6.3. Disposition of Training Records. Upon separation, retirement, commissioning, or promotion to Master Sergeant (unless otherwise directed by the AFCFM, MAJCOM, unit commander, or supervisor), give the individual their training records. Also, give individuals outdated training records after transcribing records. Do not remove any training records that show past qualifications unless transcribed to a new CFETP/AFJQS. For example, an individual

working in a tool crib must maintain documented career field qualifications in case they return to duty on the flightline or in the shop. Supervisors must exercise good judgment when removing training records not needed in current duty positions.

2.7. Specialty Training Standard. Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

3. Recommendations. Report unsatisfactory performance of individual course graduates to the AETC training manager at 365 TRS/TRR, 609 9th Avenue Stop 242, Sheppard AFB TX, 76311-2335, DSN 736-7891. Reference specific STS paragraphs. For a quick response to problems, call our customer service information line, DSN 736-2574.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

JOHN W. HANDY, Lieutenant General, USAF
DCS/Installations and Logistics

Attachments
1. Proficiency Code Key
2. Training Requirements
3. Training Requirements, Electronic Fundamentals

Name Of Trainee		
Printed Name (*Last, First, Middle Initial*)	Initials (Written)	SSAN
Printed Name Of Training/Certifying Official And Written Initials		
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	

QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	**IS EXTREMELY LIMITED** (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	**IS PARTIALLY PROFICIENT** (Can do most parts of the task. Needs only help on hardest parts.)
	3	**IS COMPETENT** (Can do all parts of the task. Needs only a spot check of completed work.)
	4	**IS HIGHLY PROFICIENT** (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*Task Knowledge Levels	a	**KNOWS NOMENCLATURE** (Can name parts, tools, and simple facts about the task.)
	b	**KNOWS PROCEDURES** (Can determine step by step procedures for doing the task.)
	c	**KNOWS OPERATING PRINCIPLES** (Can identify why and when the task must be done and why each step is needed.)
	d	**KNOWS ADVANCED THEORY** (Can predict, isolate, and resolve problems about the task.)
**Subject Knowledge Levels	A	**KNOWS FACTS** (Can identify basic facts and terms about the subject.)
	B	**KNOWS PRINCIPLES** (Can identify relationship of basic facts and state general principles about the subject.)
	C	**KNOWS ANALYSIS** (Can analyze facts and principles and draw conclusions about the subject.)
	D	**KNOWS EVALUATION** (Can evaluate conditions and make proper decisions about the subject.)

Explanations

***** A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)

** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.

\- This mark is used alone instead of a scale value to show that no proficiency training is provided in the courses or CDCs.

/ This mark is used in course columns to show that training is required but not given/reduced due to limitations in resources (3c/b, 2b/b, 3c/-, etc.).

Note: All course requirements are trained in the 3-level resident wartime course. The 7 level in-residence course is not taught in wartime.

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
ATTACHMENT 2 NOTE 1: All course requirements are trained in the 3-level resident wartime course. The 7 level in-residence course is not taught in wartime. NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision. NOTE 3: Items marked in columns 2a or 2b marked with a *R are optional core tasks for ANG and AFRC. NOTE 4: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-7891.											
A2.1. CAREER LADDER STRUCTURE TR: AFI 36-2108, AFM 36-2101, CFETP 2A1X1								A	-	-	-
A2.2. SECURITY TR: AFI 31-401, DOD 5200.1-4											
A2.2.1. Classification of Information								A	-	-	A
A2.2.2. Critical Information (CI) TR: AFI 10-1101								A	-	-	-
A2.2.3. Prevent Security Violations								b	-	-	B
A2.2.4. Command, Control, Communications, And Computer (C4) Systems Security								A	-	-	-
A2.2.5. Destruction of Classified Information								A	-	-	-
A2.2.6. Equipment Security TR: AFI 14-1046								A	-	-	-
A2.3. AIR FORCE OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: AFIND 17, 161-10; TO 9P1-2-17-2											
A2.3.1. AFOSH STD for AFSC 2A1X1 TR:AFIND 17, AFIs 91-301, 91-302; AFOSH STDs 48-1, 48-8, 48-9, 48-19, 48-21, 48-22, 91-2, 91-5, 91-22, 91-25, 91-31, 91-43, 91-44, 91-46, 91-66, 91-67, 91-68, 91-119, 126-12 (91-12), 127-32 (91-32), 127-45 (91-45), 127-56 (91-56), 127-100 (91-100), 161-2, 161-17, 161-20								A	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.3.2. Hazards of AFSC 2A1X1 TR: T.O. 31-1-141-1, AFIs 91-202, 91-213, 91-301											
A2.3.2.1. Hand Tools TR: T.O.s 00-25-234, 32-1-101, 32-1-151, 32-1-2								B	B	-	-
A2.3.2.2. Chemical/Cleaning Agents TR: T.O. 00-25-234								B	B	-	-
A2.3.2.3. High Voltage TR: T.O.s 31-1-141-1, 33-1-32, 00-25-232, AFOSH STD 91-66								B	B	-	-
A2.3.2.4. Electronic Equipment TR: T.O. 31-1-141-1								B	A	-	-
A2.3.2.5. Compressed Gases TR: TO 42B-5-1								B	B	-	-
A2.3.2.6. RF Radiation TR: AFOSH STD 48-9, T.O. 31-1-141-1								B	B	-	-
A2.3.2.7. High Intensity Sound TR: AFOSH STD 48-19, OSH STD 29, CFR 1910.95, DoDI 6055-12								B	B	-	-
A2.3.2.8. Aircraft TR: AFOSH STD 127-100 (91-100), AFJMAN 34-306, T.0.s 00-25-172, 1A-10A-2-1-1, 1C-130H-2-1, 1C-135A-1, 1C-135(O)B-1, 1C-141B-2-00GE-00-1, 1H-53(M)J-2-1, T.M. U-2S-2-1, AFI 11-218,								B	B	-	-
A2.3.2.9. Cathode-Ray Tube (CRT) TR: 31-1-141-1								B	B	-	-
A2.3.2.10. Egress Systems								A	-	-	-
A2.3.2.11. Lasers TR: ANSI Z136.1-1993, AFOSH STD 161-10, T.O.s 31-1-141-1, 31-1-141-3								B	B	-	-
A2.3.2.12. Liquid Nitrogen TR: AFOSH STD 91-67, T.O. 1C-130(A)H-2-14								A	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.3.2.13. Hazardous Materials TR: T.O.s 42C-120, 31-1-141-1								A	B	-	-
A2.3.2.14. Video Tape								-	-	-	-
A2.3.2.15. Radioactive Materials TR: T.O. 31-1-141-9, AFOSH STD 48-9								A	B	-	-
A2.3.2.16. Power Tools								-	-	-	-
A2.3.2.17. Ladders TR: AFOSH STD 91-22								-	-	-	-
A2.3.2.18. Lifting Devices TR: AFOSH STD 91-46								B	B	-	-
A2.3.3. Hazardous Materials and Waste Handling According to Environmental Standards TR: T.O.s 42C-120, 31-1-141-1											
A2.3.3.1. Types of Hazardous Materials/Fluids								B	-	-	-
A2.3.3.2. Handling Procedures								B	-	-	-
A2.3.3.3. Storage and Labeling								B	-	-	-
A2.3.3.4. Proper Disposal								B	-	-	-
A2.3.3.5. Waste Minimization								B	-	-	-
A2.4. PUBLICATIONS											
A2.4.1. Standard Publications TR: AFI 37-160 Series								-	A	-	-
A2.4.2. USAF TO System Management TR: T.O. 00-5-2											
A2.4.2.1. USAF T.O. System								A	A	-	B
A2.4.2.2. Use TO indexes									A		
A2.4.2.3. Use Methods and Procedures TOs								-	-	-	-
A2.4.2.4. Report T.O. Deficiencies TR: T.O.-5-1								-	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.4.2.5. Use T.O.s to perform											
A2.4.2.5.1. Maintenance								2b	-	-	-
A2.4.2.5.2. Inspections								2b	-	-	-
A2.5. AIR FORCE SUPPLY DISCIPLINE TR: AFRs 20-14, 67-1 (Vol. II, Part 2), 67-12, 67-23; AFM 66-279; MCR 66-XX; T.O.s 00-20 Series AFM 23-110, Vol 2, Part 13											
A2.5.1. Supply Discipline								A	B	-	B
A2.5.2. Use Supply Cross References TR: USAF S-2A-1, Use Federal Logistics Data (FEDLOG), D043								2b	b	-	-
A2.5.3. Perform Supply Procedures											
A2.5.3.1. Requisition	*							2b	b	2b	B
A2.5.3.2. Receive	*							2b	b	-	B
A2.5.3.3. Complete Condition Tags								2b	b	-	B
A2.5.3.4. Maintain Equipment Accounts TR: AFM 23-110, Vol. II, Part 13, Chap 8								-	-	2b	B
A2.5.3.5. Monitor Supply Automated Data Listing								-	-	2b	-
A2.5.3.6. Process and Control Reparable Assets TR: T.O. 00-20-3								-	b	c	B
A2.5.3.7. Establish and Justify Special Stock Level								-	-	-	-
A2.5.3.8. Manage Priority System								-	-	-	B
A2.5.3.9. Handling Classified Assets								-	-	-	A
A2.5.4. Logistics and Resource Management											
A2.5.4.1. Logistics Management								-	-	-	B
A2.5.4.2. Operations/Logistics Group Commander Responsibilities								-	-	-	B
A2.5.4.3. Resource Management								-	-	-	B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.5.4.4. Product Improvement Working Group, (PIWG), Product Management Review (PMR)								-	-	-	A
A2.5.4.5. Financial Plan (FIN Plan)								-	-	-	A
A2.5.4.6. Air Force Materiel Command Responsibilities											
A2.5.4.6.1. Operational Test and Evaluation								-	-	-	A
A2.5.4.6.2 Developmental Test and Evaluation								-	-	-	A
A2.5.4.6.3 Acquisition Program Process								-	-	-	A
A2.6. SUPERVISION TR: Applicable Air Force and Command Directives											
A2.6.1. Assign Personnel to Positions TR: AFI21-101, AFI 21-114; AFM 30-130 (Vol. II)								-	-	B	-
A2.6.2. Perform Initial Evaluation TR: AFI 36-2108, 36-2201								-	-	-	-
A2.6.3. Perform Team Leader Duties TR: AFI 21-101, Command Directives											
A2.6.3.1. Establish/Interpret Work Methods								-	-	C	-
A2.6.3.2. Establish/Interpret Work Controls								-	-	C	-
A2.6.4. Perform Production Supervisor Duties TR: AFI 36-2101, Command Directives											
A2.6.4.1. Duties and Responsibilities								-	-	-	B
A2.6.4.2. Establish/Interpret Work Methods								-	-	C	-
A2.6.4.3. Establish/Interpret Work Controls								-	-	C	-
A2.6.5. Perform Flight Chief Duties								-	-	-	B
A2.6.6. Perform Expediter Duties								-	-	-	B
A2.6.7. Establish/Interpret Local Operations Instructions								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.6.8. Evaluate Work Performance of Subordinate Personnel TR: AFI 36-2403								-	-	-	-
A2.6.9. Conduct Performance Feedback Counseling Sessions TR: AFP 39-15								-	-	-	-
A2.6.10. Initiate Action to Correct Substandard Performance of Personnel								-	-	-	-
A2.6.11. Initiate Action to Commend Superior Performance of Personnel								-	-	-	-
A2.6.12. Performing Self-Inspection TR: AFR 90-201								-	-	B	A
A2.7. Perform Additional Duties											
A2.7.1. Security Monitor								-	-	-	-
A2.7.2. Safety Monitor								-	-	-	-
A2.7.3. Hazardous Material Monitor								-	-	-	-
A2.7.4. Laser Safety Monitor TR: ANSI Z136.1-1993, AFOSH STD 161-10											
A2.7.4.1. Laser Safety Officer								-	-	-	-
A2.7.4.2. Deputy Laser Safety Officer								-	-	-	-
A2.7.5. Radiation Safety Monitor								-	-	-	-
A2.7.6. Self-Inspection Monitor								-	-	-	-
A2.7.7. TO/TCTO Monitor								-	-	-	-
A2.7.7.1. Maintain USAF T.O. Files								-	-	-	-
A2.7.8. Publications/Files/Forms Monitor								-	-	-	-
A2.7.9. Training Programs Monitor											
A2.7.9.1. On-the-Job Training								-	-	2c	-
A2.7.9.2. Recurring Training								-	-	2c	-
A2.7.9.3. Schedule Training								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.7.9.4. Recommend Personnel for Training								-	-	-	-
A2.7.9.5. Career Knowledge Upgrade								-	-	-	-
A2.7.9.6. Job Proficiency Upgrade								-	-	-	-
A2.7.9.7. Qualification								-	-	-	-
A2.7.9.8. Evaluate Effectiveness of Resident Training								-	-	2c	A
A2.7.10. Maintenance Data Collection (MDC)/ Core Automated Maintenance System (CAMS) Monitor								-	-	-	-
A2.7.11. Vehicle Monitor								-	-	-	-
A2.7.12. Supply/DIFM Monitor								-	-	-	-
A2.7.13. Equipment/SPRAM Custodian								-	-	-	-
A2.7.14. Bench Stock/Residue Monitor								-	-	-	-
A2.7.15. Precious Metal Monitor								-	-	-	-
A2.7.16. Reusable Container Monitor								-	-	-	-
A2.7.17. Recycle Program Monitor								-	-	-	A
A2.7.18. Mobility Monitor								-	-	-	-
A2.7.19. Consolidated Tool Kit (CTK)/ Foreign Object Damage (FOD) Monitor								-	-	-	-
A2.7.20. Deficiency Report (DR) Monitor								-	-	-	-
A2.7.21. Automated Data Processing Equipment Monitor								-	-	-	-
A2.7.22. Test, Measurement, Diagnostic Equipment (TMDE) Monitor								-	-	-	-
A2.7.23. Aerospace Ground Equipment (AGE)/ Support Equipment (SE) Monitor								-	-	-	-
A2.7.24. Foreign Object Damage Program Manager								-	-	-	A
A2.7.25. Aircraft Monitor								-	-	-	B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.7.26. Land Mobile Radio (LMR) Monitor								-	-	-	A
A2.7.27. Pager and Cell Phone Monitor								-	-	-	A
A2.8. TRAINING TR: AFI 36-2101											
A2.8.1. Evaluate Personnel to Determine Need for Training								-	-	2c	-
A2.8.2. Evaluate the Effectiveness of Resident Training								-	-	2c	-
A2.8.3. Field Evaluation Questionnaires (FEQ)								-	-	-	A
A2.8.4. Student Feedback								-	-	-	A
A2.8.5. Plan and Supervise Enlisted Specialty Training (EST)											
A2.8.5.1. Prepare Job Qualifications Standards								-	-	2c	-
A2.8.5.2. Request Training								-	-	-	A
A2.8.5.3. Conduct Training								-	-	-	-
A2.8.5.4. Counsel Trainees on Their Progress								-	-	-	-
A2.8.6. Training Records TR: CFETP 2A1X1; AFMAN 36-2247											
A2.8.6.1. Maintain Training Records		*						a	B	3c	B
A2.8.7. Career Field Education and Training Plan (CFETP)								-	-	-	B
A2.8.8. Specialty Training Standard (STS)								-	-	-	B
A2.8.9. Occupational Survey Report (OSR)								-	-	-	B
A2.8.10. Utilization and Training Workshop (U&TW)								-	-	-	B
A2.8.11. OJT Trainer											
A2.8.11.1. Prepare teaching outlines or task breakdowns								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.8.11.2. Provide trainees theory and training on actual equipment								-	-	-	-
A2.8.11.3. Provide feedback to trainee/supervisor								-	-	-	-
A2.8.12. OJT Task Certifier											
A2.8.12.1. Develop methods of evaluation to determine trainee knowledge/ qualification, and training effectiveness								-	-	-	-
A2.8.12.2. Use appropriate method of evaluation and effectively determine trainee's ability								-	-	-	-
A2.8.12.3. Provide supervisor and trainer feedback on results of training provided, and trainee's strengths/weaknesses								-	-	-	-
A2.9. MAINTENANCE MANAGEMENT TR: Applicable Air Force and Command Directives											
A2.9.1. Responsibilities of the Maintenance Organization TR: AFI 21-101								A	B	-	B
A2.9.2. Basic Functions within Maintenance Organization TR: AFI 21-101								A	B	B	B
A2.9.3. Core Automated Maintenance System (CAMS) TR: AFM 171-279, Vol. I, Vol. XI, AFCSM 21-556, Vol. 2; 21-557,Vol 2. 21-558, Vol. 2;21-559, Vol. 2; 21-560, Vol. 2; 21-561, Vol. 2; 21-562, Vol. 2; 21-563, Vol. 2; 21-564, Vol. 2; 21-565, Vol. 2; 21-566, Vol.2; 21-567, Vol. 2; 21-568, Vol. 2; 21-569,Vol. 2; 21-570, Vol. 2; 21-571, Vol. 2;21-572, Vol. 2; 21-573, Vol. 2; 21-574,Vol. 2; 21-575, Vol. 2; 21-576, Vol. 2;21-577, Vol. 2; 21-578, Vol. 2; 21-579,Vol. 2; T.O.00-20-2								B	B	-	-
A2.9.4. SORTS Reporting								-	-	2b	A
A2.9.5. Maintenance Quality Performance Measures (QPM) Relationship								-	-	-	B
A2.9.6. Maintenance Incident Investigation and Prevention								-	-	-	B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.9.7. Mobility								-	-	-	A
A2.9.8. Computers and Computer Usage											
A2.9.8.1. Using Applications								-	-	-	A
A2.9.8.2. Operating Systems								-	-	-	A
A2.9.8.3. Hardware								-	-	-	A
A2.9.8.4. Local Area Networks (LAN)								-	-	-	A
A2.10. MAINTENANCE AND INSPECTION											
A2.10.1. Maintenance Systems								A	-	-	-
A2.10.2. Inspection Systems								A	-	B	-
A2.10.3. Product Improvement											
A2.10.3.1. Deficiency Reports TR: T.O. 00-35D-54, AFSCM 21-578, Vol. 2								-	B	B	-
A2.10.3.2. Warranty TR: AFM 64-110								-	B	B	-
A2.10.4. Automated Maintenance Data Systems											
A2.10.4.1. Comprehensive Engine Management System (CEMS)								-	-	-	A
A2.10.4.2. Reliability and Maintainability Information System (RMIS)								-	-	-	A
A2.10.4.3. Standard Base Supply System (SBSS)								-	-	-	A
A2.10.4.4. Reliability, Availability, and Maintainability for POD (RAMPOD)								-	-	-	A
A2.10.4.5. GO81 (AMC system)								-	-	-	A
A2.10.4.6. Core Automated Maintenance System (CAMS)											
A2.10.4.7. Integrated Maintenance Data System (IMDS)								-	-	-	A

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.10.5. Maintenance Data Collection TR: AFCSM 21-561, Vol. 2; 21-563, Vol. 2; T.O. 00-20-2											
A2.10.5.1. Input MDC Data	*							-	-	-	-
A2.10.5.2. Input Supply Data TR: AFCSM 21-579, Vol. 2								2b	b	-	-
A2.10.5.3. Input /Review DR Data TR: AFCSM 21-578, Vol. 2								-	-	-	-
A2.10.5.4. Extract On-Line Data TR: AFCSM 21-557, Vol. 2								2b	b	c	-
A2.10.5.5. Input/Extract Personnel Data TR: AFCSM 21-578, Vol. 2								-	-	-	-
A2.10.5.6. Document AFTO 781 Series (Automated) TR: AFCSM 21-569- Vol. 2								2b	-	-	-
A2.10.5.7. Use SBSS Interface TR: AFCSM 21-579, Vol. 2	*							2b	c	c	-
A2.10.6. Debrief Aircrews								-	-	-	-
A2.10.7. Document Aircraft Forms TR: T.O. 00-20-5	*							2b	c	c	-
A2.10.8. Input/Extract Automated History								-	-	-	B
A2.10.9. Status Reports								-	-	-	B
A2.10.10. Perform Cannibalization Procedures	*							-	-	c	-
A2.10.11. Configuration Management								-	-	-	A
A2.10.12. Job Data Documention								-	-	-	B
A2.10.13. Complete CAMS CBT Courses											
A2.10.13.1. J6AZU00066-058, Air Force Maintenance Data Collection System	*							-	-	-	-
A2.10.13 2. J6AZU00066-062, CAMS (Mid- Level Maintenance Managers)		*						-	-	-	

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.11. GENERAL MAINTENANCE PRACTICES TR: T.O.s 00-25-234, 1-1A-8, l-14											
A2.11.1. Perform Corrosion Control								a	-	-	-
A2.11.2. Perform Safety Wiring								2b	-	-	-
A2.11.3. Perform Cable Repair								-	-	-	-
A2.11.3.1. Perform Cable Lacing								-	-	-	-
A2.11.3.2. Perform Video Splicing								-	-	-	-
A2.11.3.3. Perform Connector Potting								-	-	-	-
A2.11.4. Clean Optical Surfaces								2b	-	-	-
A2.11.5. Care of Equipment											
A2.11.5.1. Prepare for Shipment								-	-	-	-
A2.11.5.2. Prepare for Storage								-	-	-	-
A2.11.5.3. Prepare for Climate Conditions								-	-	-	-
A2.11.6. Inventory and Inspect Consolidated Tool Kits (CTKs)								2b	-	-	-
A2.11.7. Electrostatic Sensitive Device (ESD) TR: T.O. 00-25-234; MIL STD-129, DoD STD 1686, DoD HDBK 263											
A2.11.7.1. Perform Electrostatic Sensitive Device (ESD) Procedures								2b	B	b	-
A2.11.8. Troubleshooting											
A2.11.8.1. Techniques											
A2.11.8.1.1. Use Multimeter								(2b)	-	-	-
A2.11.8.1.2. Use Oscilloscopes								(2b)	-	-	-
A2.11.8.1.3. Use Time Domain Reflectometer								2b	-	-	-
A2.11.8.1.4. Use Automatic Test Station								2b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.11.8.1.5. Analytical Troubleshooting TR: T.O.s 31-1-141-9, Sec. 2; 31-1-141-7, Sec. 12								A	B	-	C
A2.11.8.1.6. Read Schematics and Wiring Diagrams TR: 1-1A-14	*							2b	B	2c	-
A2.11.8.1.7. Evaluate Video Tape and Film TR: T.O. 31-1-141-9, Sec. 6								2b	b	-	-
A2.12. DIRECT SUPPORT EQUIPMENT											
A2.12.1. Care for and Handle Test Equipment TR: T.O.s 1-1A-15, 31-1-141-14, Sec. 5								b	B	-	-
A2.12.2. Use/Maintain System Test Sets/Support Equipment											
A2.12.2.1. Document AFTO Form 244 TR: TO 00-20-7								c	-	-	-
A2.12.2.2. Document Automated Forms								-	-	-	-
A2.12.2.3. Perform Periodic Maintenance								2b	-	-	-
A2.12.2.4. Verify Functional Integrity								c	-	-	-
A2.12.2.5. Perform Alignments								c	-	-	-
A2.12.2.6. Perform Calibration								c	-	-	-
A2.12.2.7. Repair								b	-	-	-
A2.12.3. Automated Diagnostic Techniques											
A2.12.3.1. Diagnostic Tools								-	-	-	-
A2.12.3.2. Analyze Source Code								-	-	-	-
A2.12.3.3. Automated Test Station Theory								-	-	-	-
A2.12.4. LANTIRN Mobility Shelter Set (LMSS) TR: TO 35E4-195-1, 35E4-205-1											
A2.12.4.1. Description								A	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.12.4.2. Prepare for Shipment (Decomplex)											
A2.12.4.2.1. Electro-Optical Test Set (EOTS)								-	-	-	-
A2.12.4.2.2. Hoist/Monorail								-	-	-	-
A2.12.4.3. Peripheral Equipment											
A2.12.4.3 1. Cooling and Servicing Unit								-	-	-	-
A2.12.4.3 2. Fluid Conditioner Unit								-	-	-	-
A2.12.4.3.3. 400 Hz Converter								-	-	-	-
A2.12.4.3 4. Air Conditioner								-	-	-	-
A2.12.4.3 5. Diesel Generator								-	-	-	-
A2.12.4.3 6. Caster Jacks								-	-	-	-
A2.12.4.3.7. Shelter A and B								-	-	-	-
A2.12.4.3.8. Side Walls								-	-	-	-
A2.12.4.3.9. A-Frame Gantry								-	-	-	-
A2.12.4.4. Prepare for Use (Complex)											
A2.12.4.4.1. Side Walls								-	-	-	-
A2.12.4.4.2. Shelter A and B								-	-	-	-
A2.12.4.4.3. Use Caster Jacks								-	-	-	-
A2.12.4.5. Peripheral Equipment											
A2.12.4.5.1. Cooling and Servicing Unit								-	-	-	-
A2.12.4.5.2. Fluid Conditioner Unit								-	-	-	-
A2.12.4.5.3. 400 Hz Converter								-	-	-	-
A2.12.4.5.4. Air Conditioner								-	-	-	-
A2.12.4.5.5. Diesel Generator								-	-	-	-
A2.12.4.5.6. A-Frame Gantry								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.12.4.5.7. Electro-Optical Test Set (EOTS)								-	-	-	-
A2.12.4.5.8. Hoist/Monorail								-	-	-	-
A2.12.5. Use, Maintain, Test, Inspect and Service LANTIRN Support Equipment											
A2.12.5.1. LANTIRN Integrated Automatic Test Station (LIATS) TR: TO 33D7-38-273-1											
A2.12.5.1.1. Description								-	-	-	-
A2.12.5.1.2. Theory of Operation								B	B	-	-
A2.12.5.1.3. Perform Operational Checkout											
A2.12.5.1.3.1. Confidence and Instrument Self Tests	*							2b	-	-	-
A2.12.5.1.3.2. Perform LNST 1		*						-	-	-	-
A2.12.5.1.3.3. Perform LNST 2		*						-	-	-	-
A2.12.5.1.3.4. Load Station Software		*						-	-	-	-
A2.12.5.1.3.5. Perform LIATE Calibration Using PATEC		*						-	-	-	-
A2.12.5.2. Radio Frequency Augmentation Test Stand (RFAUTS) TR: TO 33A1-5-504-1											
A2.12.5.2.1. Description								-	-	-	-
A2.12.5.2.2. Theory of Operation								B	B	-	-
A2.12.5.2.3. Perform LNST 3		*						-	-	-	-
A2.12.5.2.4. Perform RFAUTS Calibration Using PATEC		*						-	-	-	-
A2.12.5.3. Electro-Optical Test Stand (EOTS) TR: T.O. 33DA1-14-17-1											
A2.12.5.3.1. Description								-	-	-	-
A2.12.5.3.2. Theory of Operation								B	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.12.5.3.3. Perform LNST 4		*						-	-	-	-
A2.12.5.3.4. Perform Alignments											
A2.12.5.3.4.1. Mounting Point Standard Inclinometer	*							-	-	-	-
A2.12.5.3.4.2. Telescope Autocollimator Internal	*							-	-	-	-
A2.12.5.3.4.3. LAM/FAM	*							-	-	-	-
A2.12.5.3.4.4. FLIR Characterization Module								-	-	-	-
A2.12.5.3.4.5. Fiber-Optical Cable								-	-	-	-
A2.12.5.3.4.6. Calibrate Blackbody Source		*						-	-	-	-
A2.12.5.4. Environmental Control Unit Test Station (ECUTS) TR: TO 33D7-61-112-1											
A2.12.5.4.1. Description								-	-	-	-
A2.12.5.4.2. Theory of Operation								B	B	-	-
A2.12.5.4.3. Perform Operational Self-test	*							-	-	-	-
A2.12.5.4.4. Load Station Software								-	-	-	-
A2.12.5.5. Power Supply Test Station (PSTS) TR: TO 33D7-6-261-1											
A2.12.5.5.1. Description								-	-	-	-
A2.12.5.5.2. Theory of Operation								B	B	-	-
A2.12.5.5.3. Perform Operational Self-test	*							-	-	-	-
A2.12.5.5.4. Load System Software								-	-	-	-
A2.12.5.6. Cooling and Servicing Unit (CSU) TR: TO 33DA103-25-1											
A2.12.5.6.1. Description								-	-	-	-
A2.12.5.6.2. Theory of Operation								B	-	-	-
A2.12.5.6.3. Operate	*							-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.12.5.6.4. Perform Refrigerant Charge Check/ Recovery								-	-	-	-
A2.12.5.7. 400 Hz Converter TR: TO 33D7-17-83-1											
A2.12.5.7.1. Description								-	-	-	-
A2.12.5.7.2. Theory of Operation								B	-	-	-
A2.12.5.7.3. Test and Inspect								-	-	-	-
A2.12.5.8. ST100A Freon Recovery System TR: Commercial Manual											
A2.12.5.8.1. Description								-	-	-	-
A2.12.5.8.2. Theory of Operation								-	-	-	-
A2.12.5.8.3. Operate	*							-	-	-	-
A2.12.5.9. Portable Reprogramming Station (PRS) TR: TO 31S5-4-6098-1											
A2.12.5.9.1. Description								-	-	-	-
A2.12.5.9.2. Theory of Operation								-	-	-	-
A2.12.5.9.3. Operate								a	-	-	-
A2.12.5.9.4. Install New Loads		*						-	-	-	-
A2.12.5.9.5. Program EPROMS								-	-	-	-
A2.12.5.9.6. Program Programmable CCAs	*							-	-	-	-
A2.12.5.9.7. Program APCCs	*							-	-	-	-
A2.12.5.9.8. Remove/Replace TRUs								-	-	-	-
A2.12.5.10. Transfer Pods/Systems To and From Storage/Holding Fixture TR: T.O.s as Applicable											
A2.12.5.10.1. Shipping Container								-	-	-	-
A2.12.5.10.2. Maintenance Fixture, Portable or Fixed								2b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.12.5.10.3. Transport Trailer								-	-	-	-
A2.12.6. Use, Maintain, Test and Inspect Pave Penny Support Equipment											
A2.12.6.1. Detector Simulator TR: TO33D5-20-28-1											
A2.12.6.1.1. Description								-	-	-	-
A2.12.6.1.2. Theory of Operation								-	-	-	-
A2.12.6.1.3. Perform Operational Checkout	*							-	-	-	-
A2.12.6.1.4. Perform Periodic Inspection								-	-	-	-
A2.12.6.1.5. Perform Preventive Maintenance								-	-	-	-
A2.12.6.1.6. Perform Calibration								-	-	-	-
A2.12.7. Aircraft Simulator TR: TO 33D5-20-27-1											
A2.12.7.1. Description								-	-	-	-
A2.12.7.2. Theory of Operation								-	-	-	-
A2.12.7.3. Perform Operational Checkout	*							-	-	-	-
A2.12.7.4. Perform Periodic Inspection								-	-	-	-
A2.12.7.5. Perform Preventive Maintenance.								-	-	-	-
A2.12.7.6. Perform Calibration								-	-	-	-
A2.12.8. Torque Motor Test Set TR: TO 33D5-64-2.1											
A2.12.8.1. Description								-	-	-	-
A2.12.8.2. Theory of Operation								-	-	-	-
A2.12.8.3. Perform Operational Checkout	*							-	-	-	-
A2.12.8.4. Perform Periodic Inspection								-	-	-	-
A2.12.8.5. Perform Preventive Maintenance								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.12.8.6. Perform Calibration								-	-	-	-
A2.12.9. Detector Test Set TR: TO 33D5-40-6-1											
A2.12.9.1. Description								-	-	-	-
A2.12.9.2. Theory of Operation								-	-	-	-
A2.12.9.3. Perform Operational Checkout	*							-	-	-	-
A2.12.9.4. Perform Periodic Inspection								-	-	-	-
A2.12.9.5. Perform Preventive Maintenance								-	-	-	-
A2.12.9.6. Perform Calibration								-	-	-	-
A2.12.10. Collimator TR: TO 33D5-65-2-1											
A2.12.10.1. Description								-	-	-	-
A2.12.10.2. Theory of Operation								-	-	-	-
A2.12.10.3. Perform Operational Checkout	*							-	-	-	-
A2.12.10.4. Perform Periodic Inspection								-	-	-	-
A2.12.10.5. Perform Preventive Maintenance								-	-	-	-
A2.12.10.6. Perform Alignment	*							-	-	-	-
A2.12.11. Use Maintain Test and Inspect AVTR/CTVS Support Equipment											
A2.12.11.1. AVTR Test Set TR: TO 33DA30-28-1											
A2.12.11.1.1. Description								-	-	-	-
A2.12.11.1.2. Theory of Operation								-	-	-	-
A2.12.11.1.3. Perform Operational Checkout								-	-	-	-
A2.12.11.1.4. Perform Periodic Inspection								-	-	-	-
A2.12.11.1.5. Perform Preventive Maintenance								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.12.12. CTVS Test Set and Tool Kit TR: TO33E7-88-13-2											
A2.12.12.1. Description								-	-	-	-
A2.12.12.2. Theory of Operation								-	-	-	-
A2.12.12.3. Perform Operational Checkout								-	-	-	-
A2.12.12.4. Perform Periodic Inspection								-	-	-	-
A2.12.12.5. Perform Preventive Maintenance								-	-	-	-
A2.12.13. Color Video Monitor TR: TO 12S6-4-43											
A2.12.13.1. Operate								-	-	-	-
A2.12.13.2. Assemble								-	-	-	-
A2.12.13.3. Disassemble								-	-	-	-
A2.12.13.4. Perform Field Alignments								-	-	-	-
A2.12.13.5. Perform General Alignments								-	-	-	-
A2.12.14. AAM-78 Infrared Test Set TR: 33D5-49-29-1											
A2.12.14.1. Test Set Group (2 Bay Cabinet)											-
A2.12.14.1.1. Perform Operational Checkout								2b	-	-	-
A2.12.14.1.2. Perform Scheduled Maintenance								-	-	-	-
A2.12.14.2. Vertical Collimator											
A2.12.14.2.1. Perform Checkout								2b	-	-	-
A2.12.14.2.2. Perform Scheduled Maintenance								-	-	-	-
A2.12.14.2.3. Perform Alignment								2b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.12.15. AAM-79 Infrared Test Set, Portable TR: 33D5-49-28-1											
A2.12.15.1. Run Box								-	-	-	-
A2.12.15.1.1. Perform Operational Checkout								-	-	-	-
A2.12.15.1.2. Perform Scheduled Maintenance								-	-	-	-
A2.12.15.2. Collimator, Portable											
A2.12.15.2.1. Perform Operational Checkout								-	-	-	-
A2.12.15.2.2. Perform Scheduled Maintenance								-	-	-	-
A2.12.15.2.3. Perform Alignment								-	-	-	-
A2.12.16. AAM-83 Infrared Test Set TR: 33D10-47-15-1											
A2.12.16.1. Prepare for Use								-	-	-	-
A2.12.16.2 Perform Operational Checkout								-	-	-	-
A2.12.16.3. Perform Scheduled Maintenance								-	-	-	-
A2.12.16.4. Perform Alignment and Adjust											
A2.12.16.4.1. Signal Generator								-	-	-	-
A2.12.16.4.2. System Subassembly Test Set (SSTS)								-	-	-	-
A2.12.17. Infrared Alignment Unit (IRAU) TR: 33D10-47-16-1											
A2.12.17.1. Perform Operational Checkout								-	-	-	-
A2.12.17.2. Perform Scheduled Maintenance								-	-	-	-
A2.12.17.3. Perform Alignment								-	-	-	-
A2.12.18. GSU-293/E Lift Truck (AN/AAQ-18 FLIR) TR: 33D2-36-8-1											
A2.12.18.1. Perform Scheduled Maintenance								-	-	-	-
A2.12.18.2. Perform Yoke Alignment								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.12.19. GSU-316/A Lift Truck (AN/AAQ-15/17 FLIR) TR: 33D3-9-25-1											
A2.12.19.1. Perform Scheduled Maintenance								-	-	-	-
A2.12.20. ALLTV Manually Operated Lift Truck TR: 33D3-9-23-1											
A2.12.20.1. Operate								-	-	-	-
A2.12.20.2. Perform Scheduled Maintenance								-	-	-	-
A2.12.21. Hoffman 126-001 Test Set TR: TM ANV-126-00x											
A2.12.21.1. Operate								-	-	-	-
A2.12.21.2. Perform Scheduled Maintenance								-	-	-	-
A2.12.21.3. Perform Calibration								-	-	-	-
A2.12.22. Camera Test and Checkout Console T&C) TR: 8011-TAC-2											
A2.12.22.1. Perform Operational Checkout								-	-	-	-
A2.12.22.2. Perform Scheduled Inspections								-	-	-	-
A2.12.221.3. Troubleshoot								-	-	-	-
A2.12.22.4. Repair								-	-	-	-
A2.12.23. Fly Away Kit (FAK) TR: 8011-FAC-2A											
A2.12.23.1. Perform Operational Checkout								-	-	-	-
A2.12.23.2. Perform Scheduled Inspections								-	-	-	-
A2.12.23.3. Troubleshoot								-	-	-	-
A2.12.23.4. Repair								-	-	-	-
A2.12.24. ES-64 Expandable Shelter TR: 10M1-7-3-1											
A2.12.24.1. Inspect								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.12.24.2. Use								-	-	-	-
A2.12.24.3. Maintain								-	-	-	-
A2.12.25. RG-350 Preconditioning Cart TR: RG350-101											
A2.12.25.1. Inspect								-	-	-	-
A2.12.25.2. Use								-	-	-	-
A2.12.25.3. Maintain								-	-	-	-
A2.12.26. RG-624 Air Conditioning Cart TR: RG624, RG624-101											
A2.12.26.1. Inspect								-	-	-	-
A2.12.26.2. Use								-	-	-	-
A2.12.26.3. Maintain								-	-	-	-
A2.12.27. RG-624 Air Conditioning Cart Adapter Kit TR: LCL9RW/B002											
A2.12.27.1. Inspect								-	-	-	-
A2.12.27.2. Use								-	-	-	-
A2.12.27.3. Maintain								-	-	-	-
A2.12.28. RG-156 Hatch Cart TR: U-2R/U-2S-2-12, U-2S-(GSE)-6WC-1PE											
A2.12.28.1. Inspect								-	-	-	-
A2.12.28.2. Use								-	-	-	-
A2.12.28.3. Maintain								-	-	-	-
A2.12.29. IRIS Operation and Maintenance Dolly TR: Applicable T.O.s											
A2.12.29.1. Inspect								-	-	-	-
A2.12.29.2. Use								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.12.29.3. Maintain								-	-	-	-
A2.12.30. Lowboy Trailer TR: LWC9RW/B001											
A2.12.30.1. Inspect								-	-	-	-
A2.12.30.2. Use								-	-	-	-
A2.12.30.3. Maintain								-	-	-	-
A2.12.31. Nitrogen Bottle Lay Down Cart TR: Applicable T.O.s											
A2.12.31.1. Inspect								-	-	-	-
A2.12.31.2. Use								-	-	-	-
A2.12.31.3. Maintain								-	-	-	-
A2.12.32. IRIS Lifting Fixture TR: Applicable T.O.s											
A2.12.32.1. Inspect								-	-	-	-
A2.12.32.2. Use								-	-	-	-
A2.12.32.3. Maintain								-	-	-	-
A2.12.33. OBC Lifting Fixture TR: Applicable T.O.s											
A2.12.33.1. Inspect								-	-	-	-
A2.12.33.2. Use								-	-	-	-
A2.12.33.3. Maintain								-	-	-	-
A2.12.34. Purge Kit TR: SP0162											
A2.12.34.1. Inspect								-	-	-	-
A2.12.34.2. Use								-	-	-	-
A2.12.34.3. Maintain								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.12.35. OBC Operation and Maintenance Dolly TR: Applicable T.O.s											
A2.12.35.1. Inspect								-	-	-	-
A2.12.35.2. Use								-	-	-	-
A2.12.35.3. Maintain								-	-	-	-
A2.12.36. Aircraft Mounted Hoist/Crane TR: U-2R/U-2S-2-12, U-2R/U-2S-(GSE)-6WC-1PE											
A2.12.36.1. Inspect								-	-	-	-
A2.12.36.2. Use								-	-	-	-
A2.12.36.3. Maintain								-	-	-	-
A2.13. SENSORS SYSTEMS MAINTENANCE PRINCIPLES											
A2.13.1. Closed Circuit Television System (CCTV) TR: T.O. 31-141-1-9								B	B	-	-
A2.13.2. Infrared System TR: T.O. 31-141-1-9								B	B	-	-
A2.13.3. Laser System TR: 31-1-141-3								B	B	-	-
A2.13.4. Video Tape Recording System								-	B	-	-
A2.13.5. Radar Systems TR: T.O. 31-1-141-9, Sec 4								B	B	-	-
A2.13.6. Environmental Control System								B	B	-	-
A2.13.7. Night Vision Devices								A	B	-	-
A2.13.8. Optics TR: T.O. 31-1-141-3								A	B	-	-
A2.13.9. Servo Systems								B	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14. OFF-EQUIPMENT MAINTENANCE											
A2.14.1. Low Altitude Navigation and Targeting Infrared for Night (LANTIRN) System											
A2.14.1.1. Navigation Set, AAQ-13 TR: T.O.s 11F1-AAQ13-2, 11F1-AAQ13-8-2											
A2.14.1.1.1. Description								A	B	-	-
A2.14.1.1.2. Theory of Operation								B	B	-	-
A2.14.1.1.3. Run Functional Test	*							2b	-	-	-
A2.14.1.1.4. Remove and Install											
A2.14.1.1.4.1. Radar Interface Unit (RIU)	*							-	-	-	-
A2.14.1.1.4.2. Antenna Gimbal	*							-	-	-	-
A2.14.1.1.4.3. Transmitter	*							-	-	-	-
A2.14.1.1.4.4. Receiver/Exciter	*							-	-	-	-
A2.14.1.1.4.5. Radar Power Supply	*							-	-	-	-
A2.14.1.1.4.6. Radar Pressurizing Unit	*							-	-	-	-
A2.14.1.1.4.7. Navigation Set Computer	*							-	-	-	-
A2.14.1.1.4.8. Infrared Receiver (IR)	*							-	-	-	-
A2.14.1.1.4.9. Navigation Set Power Supply (NSPS)	*							-	-	-	-
A2.14.1.1.4.10. Environmental Control Unit (ECU)	*							-	-	-	-
A2.14.1.1.4.11. Electro Magnetic Interference (EMI) Filter								-	-	-	-
A2.14.1.1.5. Service											
A2.14.1.1.5.1. Coolant Loop	*							-	-	-	-
A2.14.1.1.5.2. Radar Pressurization Unit	*							-	-	-	-
A2.14.1.1.5.3. Forward Section Assembly	*							-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.1.1.6. Download and Analyze Data with Portable Data Terminal (PDT)								-	-	-	-
A2.14.1.1.7. Terrain Following Radar (TFR) TR: T.O.s 11F1-AAQ13-2, 11F1-AAQ13-8-2											
A2.14.1.1.7.1. Description								-	-	-	-
A2.14.1.1.7.2. Theory of Operation								-	B	-	-
A2.14.1.1.7.3. Run Functional Test								-	-	-	-
A2.14.1.1.7.4. Remove and Install SRUs								-	-	-	-
A2.14.1.1.7.5. Repair								-	-	-	-
A2.14.1.1.8. Radar Interface Unit (RIU) TR: T.O.s 11F1-AAQ13-2, 11F1-AAQ13-8-8											
A2.14.1.1.8.1. Description								-	-	-	-
A2.14.1.1.8.2. Theory of Operation								-	B	-	-
A2.14.1.1.8.3. Run Functional Test								-	-	-	-
A2.14.1.1.8.4. Remove and Install SRUs								-	-	-	-
A2.14.1.1.8.5. Repair								-	-	-	-
A2.14.1.1.9. Antenna Gimbal TR: T.O.s 11F1-AAQ13-2, 11F1-AAQ13-8-5											
A2.14.1.1.9.1. Description								-	-	-	-
A2.14.1.1.9.2. Theory of Operation								-	B	-	-
A2.14.1.1.9.3. Run Functional Test								2b	-	-	-
A2.14.1.1.9.4. Remove and Install SRUs								-	-	-	-
A2.14.1.1.9.5. Repair								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.1.1.10. Transmitter TR: T.O.s 11F1-AAQ13-2, 11F1-AAQ13-8-6											
A2.14.1.1.10.1. Description								-	-	-	-
A2.14.1.1.10.2. Theory of Operation								-	B	-	-
A2.14.1.1.10.3. Run Functional Test								-	-	-	-
A2.14.1.1.10.4. Remove and Install SRUs								-	-	-	-
A2.14.1.1.10.5. Repair								-	-	-	-
A2.14.1.1.10.6. Service								-	-	-	-
A2.14.1.1.10.7. Perform Alignment								-	-	-	-
A2.14.1.1.11. Receiver/Exciter TR: T.O.s 11F1-AAQ13-2, 11F1-AAQ13-8-7											
A2.14.1.1.11.1. Description								-	-	-	-
A2.14.1.1.11.2. Theory of Operation								-	B	-	-
A2.14.1.1.11.3. Run Functional Test								-	-	-	-
A2.14.1.1.11.4. Remove and Install SRUs								-	-	-	-
A2.14.1.1.11.5. Repair								-	-	-	-
A2.14.1.1.12. Radar Power Supply TR: TO 11F1-AAQ13-2											
A2.14.1.1.12.1. Description								-	-	-	-
A2.14.1.1.12.2. Theory of Operation								-	B	-	-
A2.14.1.1.12.3. Run Functional Test								-	-	-	-
A2.14.1.1.12.4. Remove and Install SRUs								-	-	-	-
A2.14.1.1.12.5. Repair								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.1.1.13. Radar Pressurization Unit (RPU) TR: TO 11F1-AAQ13-2											
A2.14.1.1.13.1. Description								-	-	-	-
A2.14.1.1.13.2. Theory of Operation								-	B	-	-
A2.14.1.1.13.3. Remove and Install SRUs								-	-	-	-
A2.14.1.1.13.4. Repair								-	-	-	-
A2.14.1.1.14. Navigation Set Computer TR: T.O.s 11F1-AAQ13-2, 11F1-AAQ13-8-1											
A2.14.1.1.14.1. Description								-	-	-	-
A2.14.1.1.14.2. Theory of Operation								-	B	-	-
A2.14.1.1.14.3. Run Functional Test								-	-	-	-
A2.14.1.1.14.4. Remove and Install SRUs								-	-	-	-
A2.14.1.1.14.5. Repair								-	-	-	-
A2.14.1.1.14.6. Load Operational Flight Program	*							-	-	-	-
A2.14.1.1.15. Infrared Receiver (IR) TR: T.O.s 11F1-AAQ13-2, 11F1-AAQ13-8-3, -4											
A2.14.1.1.15.1. Description								-	-	-	-
A2.14.1.1.15.2. Theory of Operation								-	B	-	-
A2.14.1.1.15.3. Run Functional Test								-	-	-	-
A2.14.1.1.15.4. Remove and Install SRUs								-	-	-	-
A2.14.1.1.15.5. Repair								-	-	-	-
A2.14.1.1.16. Navigation Set Power Supply (NSPS) TR: TO 11F1-AAQ13-2											
A2.14.1.1.16.1. Description								-	-	-	-
A2.14.1.1.16.2. Theory of Operation								-	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.1.1.16.3. Run Functional Test								-	-	-	-
A2.14.1.1.16.4. Remove and Install SRUs								-	-	-	-
A2.14.1.1.16.5. Repair								-	-	-	-
A2.14.1.1.17. Environmental Control Unit (ECU) TR: TO 11F1-AAQ13-2											
A2.14.1.1.17.1. Description								-	-	-	-
A2.14.1.1.17.2. Theory of Operation								-	B	-	-
A2.14.1.1.17.3. Run Functional Test	*							2b	-	-	-
A2.14.1.1.17.4. Remove and Install SRUs								-	-	-	-
A2.14.1.1.17.5. Repair								-	-	-	-
A2.14.1.1.18. Service											
A2.14.1.1.18.1. Coolant								-	-	-	-
A2.14.1.1.18.2. Freon								2b	-	-	-
A2.14.1.2. Targeting Set, AAQ-14 TR: TO 11F1-AAQ14-2											
A2.14.1.2.1. Description								A	B	-	-
A2.14.1.2.2. Theory of Operation								B	B	-	-
A2.14.1.2.3. Run Functional Test	*							2b	-	-	-
A2.14.1.2.4. Load Operational Flight Program								-	-	-	-
A2.14.1.2.5. Perform Alignments TR: TO 11F1-AAQ14-8-1											
A2.14.1.2.5.1. Drift Bias Adjustment (ALI)								-	-	-	-
A2.14.1.2.5.2. Gain Balance Adjustment (AL7)								-	-	-	-
A2.14.1.2.5.3. Focus Adjustment (AL2)								-	-	-	-
A2.14.1.2.5.4. Roll/Deroll to Mount Bias (AL5)	*							-	-	-	-
A2.14.1.2.5.5. FLIR LOS to Pitch Axis (AL10)	*							-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.1.2.5.6. Dead Channel Strap (AL9)								-	-	-	-
A2.14.1.2.5.7. Detector Temperature Adjust (AL11)								-	-	-	-
A2.14.1.2.5.8. Detector Position Adjust (AL12)								-	-	-	-
A2.14.1.2.5.9. TAF to Deroll (AL13)	*							-	-	-	-
A2.14.1.2.5.10. Shroud Actuator Adjustment (AL14)								-	-	-	-
A2.14.1.2.5.11. Laser to FLIR (AL15)	*							2b	-	-	-
A2.14.1.2.5.12. Deroll Symbology Bias (AL3)	*							-	-	-	-
A2.14.1.2.5.13. Pitch/Yaw to Roll Resolver Bias (AL4)	*							-	-	-	-
A2.14.1.2.5.14. AZ/EL to Mount PT System Bias (AL6)	*							-	-	-	-
A2.14.1.2.5.15. Stow Servos (AL16)								-	-	-	-
A2.14.1.2.5.16. Roll Brake Release (AL17)								-	-	-	-
A2.14.1.2.5.17. Fetch Pod Bias Data (AL19)	*							-	-	-	-
A2.14.1.2.5.18. TAF FLIR Test (AL20)								-	-	-	-
A2.14.1.2.5.19. Pod Mode Control (AL21)								-	-	-	-
A2.14.1.2.5.20. Nose Processor Bias Transfer (AL18)								-	-	-	-
A2.14.1.2.5.21. TAF Centration	*							-	-	-	-
A2.14.1.2.5.22. Slider Adjustment								-	-	-	-
A2.14.1.2.6. Remove and Install											
A2.14.1.2.6.1. Nose Equipment Support Assembly (NESA)	*							-	-	-	-
A2.14.1.2.6.2. Roll Section Assembly	*							-	-	-	-
A2.14.1.2.6.3. Targeting Set Computer	*							-	-	-	-
A2.14.1.2.6.4. Central Electronics Unit (CEU)	*							2b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.1.2.6.5. Power Supply	*							-	-	-	-
A2.14.1.2.6.6. Environmental Control Unit (ECU)	*							-	-	-	-
A2.14.1.2.7. Service											
A2.14.1.2.7.1. Coolant Loop	*							-	-	-	-
A2.14.1.2.7.2. Desiccant (NESA)								-	-	-	-
A2.14.1.2.8. Troubleshoot using Data Logging Module (DLM)											
A2.14.1.2.8.1. Interpret and Analyze with Portable Data Terminal (PDT)								-	-	-	-
A2.14.1.2.9. Nose Equipment Support Assembly (NESA) TR: TO 11F1-AAQ14-2											
A2.14.1.2.9.1. Description								-	-	-	-
A2.14.1.2.9.2. Theory of Operation											
A2.14.1.2.9.2.1. Laser								A	B	-	-
A2.14.1.2.9.2.2. Servo Loops								A	B	-	-
A2.14.1.2.9.3. Remove and Install SRUs											
A2.14.1.2.9.3.1. Laser	*							2b	-	-	-
A2.14.1.2.9.3.2. Coolant Loop								-	-	-	-
A2.14.1.2.9.3.3. Optical Relay Assembly								-	-	-	-
A2.14.1.2.9.3.4. CCA/ECA								-	-	-	-
A2.14.1.2.9.4. Repair								-	-	-	-
A2.14.1.2.10. Roll Section Assembly TR: TO 11F1-AAQ14-2											
A2.14.1.2.10.1. Description								-	-	-	-
A2.14.1.2.10.2. Theory of Operation											
A2.14.1.2.10.2.1. Target Acquisition FLIR								-	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.1.2.10.2.2. Servo Loops								-	B	-	-
A2.14.1.2.10.3. Remove and Install SRUs											
A2.14.1.2.10.3.1. Target Acquisition FLIR	*							2b	-	-	-
A2.14.1.2.10.3.2. Cooler/Detector	*							-	-	-	-
A2.14.1.2.10.3.3. CCAs								-	-	-	-
A2.14.1.2.10.3.4. Matched Scanner Set								-	-	-	-
A2.14.1.2.10.3.5. Slip Ring Assembly	*							-	-	-	-
A2.14.1.2.10.3.6. Repair								-	-	-	-
A2.14.1.2.11. Targeting Set Computer TR: T.O.s 11F1-AAQ14-8-1, 11F1-AAQ14-2											
A2.14.1.2.11.1. Description								-	-	-	-
A2.14.1.2.11.2. Theory of Operation								-	B	-	-
A2.14.1.2.11.3. Run Functional Test	*							-	-	-	-
A2.14.1.2.11.4. Load Operational Flight Program	*							-	-	-	-
A2.14.1.2.11.5. Remove and Install SRUs								-	-	-	-
A2.14.1.2.11.6. Repair								-	-	-	-
A2.14.1.2.12. Central Electronics Unit (CEU) TR: T.O.s 11F1-AAQ14-2, 11F1-AAQ14-8-2											
A2.14.1.2.12.1. Description								-	-	-	-
A2.14.1.2.12.2. Theory of Operation								-	B	-	-
A2.14.1.2.12.3. Run Functional Test	*							-	-	-	-
A2.14.1.2.12.4. Remove and Install SRUs								-	-	-	-
A2.14.1.2.12.5. Repair								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.1.2.13. Power Supply TR: TO 11F1-AAQ14-2											
A2.14.1.2.13.1. Description								-	-	-	-
A2.14.1.2.13.2. Theory of Operation								-	B	-	-
A2.14.1.2.13.3. Run Functional Test	*							-	-	-	-
A2.14.1.2.13.4. High Voltage Power Supply Functional Test								-	-	-	-
A2.14.1.2.13.5. Remove and Install SRUs								-	-	-	-
A2.14.1.2.13.6. Repair								-	-	-	-
A2.14.1.2.14. Environmental Control Unit (ECU) TR: T.O. 11F1-AAQ14-2											
A2.14.1.2.14.1. Description								-	-	-	-
A2.14.1.2.14.2. Theory of Operation								-	B	-	-
A2.14.1.2.14.3. Run Functional Test	*							-	-	-	-
A2.14.1.2.14.4. Remove and Install SRUs								-	-	-	-
A2.14.1.2.14.5. Repair								-	-	-	-
A2.14.1.2.14.7. Service											
A2.14.1.2.14.7.1. Coolant								-	-	-	-
A2.14.1.2.14.7.2. Freon								-	-	-	-
A2.14.2. AAQ-15 Infrared System TR: T.O.s 11F1-AAQ15-2, 12,-22,-32, 1MC-130(H)-2-8											
A2.14.2.1. Description								A	B	-	-
A2.14.2.2. Theory of Operation								-	B	-	-
A2.14.2.3. Perform System Operational Checkout using											
A2.14.2.3.1. AAM-78 Test Set	*							-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.2.3.2. AAM-79 Test Set	*							-	-	-	-
A2.14.2.4. Infrared Receiver											
A2.14.2.4.1. Perform Functional Checkout Using AAM-78 Test Set	*							-	-	-	-
A2.14.2.4.2. Perform Alignments Using: AAM-78 Test Set											
A2.14.2.4.2.1. Scan and Interlace CCA	*							-	-	-	-
A2.14.2.4.2.2. Video Aux Control CCA								-	-	-	-
A2.14.2.4.2.3. Camera Head	*							-	-	-	-
A2.14.2.4.2.4. Camera Head (IRAU)								-	-	-	-
A2.14.2.4.2.5. Detector Dewar	*							-	-	-	-
A2.14.2.4.2.6. Imager Drive								-	-	-	-
A2.14.2.4.2.7. Gain Balance								-	-	-	-
A2.14.2.4.2.8. Gain Balance (IRAU)								-	-	-	-
A2.14.2.4.2.9. Reticle Condenser								-	-	-	-
A2.14.2.4.2.10. Afocal								-	-	-	-
A2.14.2.4.2.11. Gyro Capture Loop CCA								-	-	-	-
A2.14.2.4.2.12. Boresight Resolver Demodulator CCA	*							-	-	-	-
A2.14.2.4.3. Perform Alignments Using AAM-79 Portable Test Set											
A2.14.2.4.3.1. Scan and Interlace CCA	*							-	-	-	-
A2.14.2.4.3.2. Video Aux Control CCA								-	-	-	-
A2.14.2.4.3.3. Camera Head Alignment	*							-	-	-	-
A2.14.2.4.3.4. Camera Head (IRAU)								-	-	-	-
A2.14.2.4.3.5. Detector Dewar	*							-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.2.4.3.6. Imager Drive								-	-	-	-
A2.14.2.4.3.7. Gain Balance								-	-	-	-
A2.14.2.4.3.8. Gain Balance (IRAU)								-	-	-	-
A2.14.2.4.3.9. Reticle Condenser								-	-	-	-
A2.14.2.4.3.10. Afocal								-	-	-	-
A2.14.2.4.3.11. Gyro Capture Loop CCA								-	-	-	-
A2.14.2.4.3.12. Boresight Resolver Demodulator CCA	*							-	-	-	-
A2.14.2.4.4. Remove and Install SRUs								-	-	-	-
A2.14.2.4.5. Perform Leak Test								-	-	-	-
A2.14.2.5. Control Converter											
A2.14.2.5.1. Perform Operational Checkout Using AAM-78 Test Set	*							-	-	-	-
A2.14.2.5.2. Remove and Install SRUs								-	-	-	-
A2.14.3. AAQ-17 Infrared System TR: T.O.s 11F1-AAQ17-2,-12,-22,-32											
A2.14.3.1. Description								A	B	-	-
A2.14.3.2. Theory of Operation								B	B	-	-
A2.14.3.3. Perform Operational Checkout Using:											
A2.14.3.3.1. AAM-78 Test Set	*							-	-	-	-
A2.14.3.3.2. AAM-79 Test Set	*							-	-	-	-
A2.14.3.4. Infrared Receiver								-	-	-	-
A2.14.3.4.1. Description								-	-	-	-
A2.14.3.4.2. Theory of Operation								-	-	-	-
A2.14.3.4.3. Perform Functional Checkout Using AAM-78 Test Set	*							2b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.3.4.4. Perform Alignments Using AAM 78 Test Set											
A2.14.3.4.4.1. Scan and Interlace CCA	*							-	-	-	-
A2.14.3.4.4.2. Video Aux Control CCA								-	-	-	-
A2.14.3.4.4.3. Camera Head	*							2b	-	-	-
A2.14.3.4.4.4. Camera Head (IRAU)								-	-	-	-
A2.14.3.4.4.5. Detector Dewar	*							-	-	-	-
A2.14.3.4.4.6. Imager Drive								2b	-	-	-
A2.14.3.4.4.7. Gain Balance								2b	-	-	-
A2.14.3.4.4.8. Gain Balance (IRAU)								-	-	-	-
A2.14.3.4.4.9. Reticle Condenser								-	-	-	-
A2.14.3.4.4.10. Afocal								-	-	-	-
A2.14.3.4.4.11. Gyro Capture Loop CCA								-	-	-	-
A2.14.3.4.4.12. Boresight Resolver Demodulator CCA	*							2b	-	-	-
A2.14.3.4.5. Perform Alignments Using AAM-79 Portable Test Set											
A2.14.3.4.5.1. Scan and Interlace CCA	*							-	-	-	-
A2.14.3.4.5.2. Video Aux Control CCA								-	-	-	-
A2.14.3.4.5.3. Camera Head	*							-	-	-	-
A2.14.3.4.5.4. Camera Head (IRAU)								-	-	-	-
A2.14.3.4.5.5. Detector Dewar	*							-	-	-	-
A2.14.3.4.5.6. Imager Drive								-	-	-	-
A2.14.3.5.6.7. Gain Balance								-	-	-	-
A2.14.3.4.5.8. Gain Balance (IRAU)								-	-	-	-
A2.14.3.4.5.9. Reticle Condenser								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.3.4.5.10. Afocal								-	-	-	-
A2.14.3.4.5.11. Gyro Capture Loop CCA								-	-	-	-
A2.14.3.4.5.12. Boresight Resolver Demodulator CCA	*							-	-	-	-
A2.14.3.4.6. Remove and Install SRUs								-	-	-	-
A2.14.3.4.7. Perform Leak Test								-	-	-	-
A2.14.3.5. Control Converter											
A2.14.3.5.1. Perform Operational Checkout Using AAM-78 Test Set	*							-	-	-	-
A2.14.3.5.2. Remove and Install SRUs								-	-	-	-
A2.14.3.6. Gimbal Position Control Unit (GPCU)											
A2.14.3.6.1. Perform Functional Checkout								-	-	-	-
A2.14.3.6.2. Remove and Install SRUs								-	-	-	-
A2.14.3.6.3. Perform Alignments								-	-	-	-
A2.14.3.7. Infrared Set Control											
A2.14.3.7.1. Perform Functional Checkout								-	-	-	-
A2.14.3.7.2. Remove and Install SRUs								-	-	-	-
A2.14.4. AAQ-18 Infrared System TR: 12S10-2AAQ18-22, -32,											
A2.14.4.1. Description								A	B	-	-
A2.14.4.2. Theory of Operation								-	B	-	-
A2.14.4.3. Perform Operational Checkout	*							-	-	-	-
A2.14.4.4. Infrared Receiver											
A2.14.4.4.1. Perform Functional Checkout											
A2.14.4.4.1.1. Receiver	*							-	-	-	-
A2.14.4.4.1.2. Heat Exchanger								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.4.4.1.3. Afocal								-	-	-	-
A2.14.4.4.1.4. Camera Head								-	-	-	-
A2.14.4.4.1.5. Scanner/Phase Shift Lens								-	-	-	-
A2.14.4.4.1.6. Evaluation Torquer								-	-	-	-
A2.14.4.4.1.7. Final Modulation								-	-	-	-
A2.14.4.4.1.8. Minimal Resolvable Temperature (MRT)								-	-	-	-
A2.14.4.5.2. Remove and Install SRUs								-	-	-	-
A2.14.4.6.3. Perform Alignments											
A2.14.4.6.3.1. Scanner	*							-	-	-	-
A2.14.4.6.3.2. Video Aux Control								-	-	-	-
A2.14.4.6.3.3. Imager								-	-	-	-
A2.14.4.6.3.4. Detector Dewar Focus	*							-	-	-	-
A2.14.4.6.3.5. Detector Dewar Focus (IRAU)								-	-	-	-
A2.14.4.6.3.6. Repeatable Point								-	-	-	-
A2.14.4.6.3.7. Camera Assembly	*							-	-	-	-
A2.14.4.6.3.8. Gain Balance								-	-	-	-
A2.14.4.6.3.9. Reticle								-	-	-	-
A2.14.4.6.3.10. Track FOV Focus								-	-	-	-
A2.14.4.6.3.11. Camera Assembly Focus								-	-	-	-
A2.14.4.6.3.12. Camera Head Assembly	*							-	-	-	-
A2.14.4.6.3.13. Elevation Resolver								-	-	-	-
A2.14.4.6.3.14. Elevation Synchro								-	-	-	-
A2.14.4.6.3.15. Elevation Tach Generator								-	-	-	-
A2.14.4.6.3.16. Elevation Resolver Backlash	*							-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.4.6.3.17. Gimbal								-	-	-	-
A2.14.4.6.3.18. Azimuth Synchro								-	-	-	-
A2.14.4.6.3.19. Afocal Assembly Focus	*							-	-	-	-
A2.14.4.6.3.20. Afocal Assembly Field of View	*							-	-	-	-
A2.14.4.6.4. Perform Leak Test								-	-	-	-
A2.14.4.7. Power Supply											
A2.14.4.7.1. Perform Functional Checkout	*							-	-	-	-
A2.14.4.7.2. Remove and Install SRUs								-	-	-	-
A2.14.4.7.3. Perform Alignments	*							-	-	-	-
A2.14.4.8. Electronic Control Amplifier											
A2.14.4.8.1. Perform Functional Checkout	*							-	-	-	-
A2.14.4.8.2. Remove and Install SRUs								-	-	-	-
A2.14.4.8.3. Perform Alignments	*							-	-	-	-
A2.14.4.9. Infrared System Control											
A2.14.4.9.1. Perform Functional Checkout	*							-	-	-	-
A2.14.4.9.2. Remove and Install SRUs								-	-	-	-
A2.14.4.9.3. Perform Alignment	*							-	-	-	-
A2.14.4.10. Infrared Mount Base											
A2.14.4.10.1. Perform Functional Checkout								-	-	-	-
A2.14.4.10.2. Remove and Install SRUs								-	-	-	-
A2.14.5. Laser Target Designator/Ranger (LTD/R), AVQ-19/19A TR: TO 11F1-1-101											
A2.14.5.1. Description								A	B	-	-
A2.14.5.2. Theory of Operation								B	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.5.3. Perform Operational Checkout	*							-	-	-	-
A2.14.5.4. Perform Alignments								-	-	-	-
A2.14.5.5. Remove and Install SRUs								-	-	-	-
A2.14.6. Low Light Level Television (LLL TV), ASQ-145A(V)2 TR: T.O.s 12S6-2ASQ145-11, 1C-130(A)H-2-14											
A2.14.6.1. Description								A	B	-	-
A2.14.6.2. Theory of Operation								A	B	-	-
A2.14.6.3. Television Cameras											
A2.14.6.3.1. Perform Functional Checkout	*							-	-	-	-
A2.14.6.3.2. Remove and Install SRUs								-	-	-	-
A2.14.6.3.3. Perform Alignments	*							-	-	-	-
A2.14.6.4. TV Electronic Control Assembly											
A2.14.6.4.1. Perform Functional Checkout	*							-	-	-	-
A2.14.6.4.2. Remove and Install SRUs								-	-	-	-
A2.14.6.4.3. Perform Alignments	*							-	-	-	-
A2.14.6.5. Video Switching Unit (VSU)											
A2.14.6.5.1. Perform Functional Checkout								-	-	-	-
A2.14.6.5.2. Remove and Install SRUs								-	-	-	-
A2.14.6.5.3. Perform Alignments								-	-	-	-
A2.14.6.6. Video Monitors											
A2.14.6.6.1. Perform Functional Checkout								-	-	-	-
A2.14.6.7. Remote Switching Unit (RSU)											
A2.14.6.7.1. Perform Functional Checkout								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.6.8. TV/Laser Target Designator Control											
A2.14.6.8.1. Perform Functional Checkout								-	-	-	-
A2.14.6.9. Filter/Remote Focus Assembly											
A2.14.6.9.1. Perform Functional Checkout								-	-	-	-
A2.14.6.10. Laser Head											
A2.14.6.10.1. Perform Functional Checkout	*							-	-	-	-
A2.14.6.10.2. Perform Alignment								-	-	-	-
A2.14.6.11. Illuminator Electronic Control Amplifier											
A2.14.6.11.1. Perform Functional Checkout	*							-	-	-	-
A2.14.6.11.2. Perform Alignments	*							-	-	-	-
A2.14.6.12. Illuminator Control											
A2.14.6.12.1. Perform Functional Checkout								-	-	-	-
A2.14.6.13. Dewar											
A2.14.6.13.1. Perform Functional Checkout								-	-	-	-
A2.14.6.13.2. Perform Alignments								-	-	-	-
A2.14.6.13.3 Service								-	-	-	-
A2.14.7. AJQ-24 Stabilized Track Platform TR: Applicable T.O.s											
A2.14.7.1. Description								-	-	-	-
A2.14.7.2. Theory of Operation								-	B	-	-
A2.14.7.3. Perform Functional Checkout	*							-	-	-	-
A2.14.7.4. Perform Alignments								-	-	-	-
A2.14.7.4.1. Platform Static Balancing	*							-	-	-	-
A2.14.7.4.2. Platform Electrical	*							-	-	-	-
A2.14.74.3. Mount ECA	*							-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.7.4.4. Track Handle Adjustment								-	-	-	-
A2.14.8. Airborne Video Tape Recorder (AVTR) TR: T.O. 12S6-2AXQ-12											
A2.14.8.1. Description								-	B	-	-
A2.14.8.2. Theory of Operation								-	B	-	-
A2.14.8.3. Perform Functional Checkout								-	-	-	-
A2.14.8.4. Perform Mechanical Adjustments								-	-	-	-
A2.14.8.5 Perform Electrical Adjustments								-	-	-	-
A2.14.8.6. Remove and Install SRUs								-	-	-	-
A2.14.8.7. Clean and Demagnetize								-	-	-	-
A2.14.9. Cockpit TV Sensor (CTVS) System TR: T.O.s 12S6-2AXQ16-2, 12S6-2AXQ16-2											
A2.14.9.1. Description								A	B	-	-
A2.14.9.2. Theory of Operation								B	B	-	-
A2.14.9.3. Perform Functional Checkout								2b	-	-	-
A2.14.9.4. Perform Adjustments								2b	-	-	-
A2.14.9.5. Troubleshoot								-	-	-	-
A2.14.9.6. Remove and Install SRUs								-	-	-	-
A2.14.10. AVTR/CTVS Control Panel TR: Applicable T.O.s											
A2.14.10.1. Description								-	-	-	-
A2.14.10.2. Theory of Operation								-	-	-	-
A2.14.10.3. Perform Functional Checkout								-	-	-	-
A2.14.10.4. Troubleshoot								-	-	-	-
A2.14.10.5. Remove and Install SRUs								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.11. Pave Penny, AAS-35 TR: T.O.s 11F5O-4-2-2, UF13-32-2-2, 11F3-6-2-2											
A2.14.11.1. Description								A	B	-	-
A2.14.11.2. Theory of Operation								B	B	-	-
A2.14.11.3. Laser Illuminated Target Detector											
A2.14.11.3.1. Theory of Operation								-	B	-	-
A2.14.11.3.2. Perform Functional Checkout	*							-	-	-	-
A2.14.11.3.3. Troubleshoot								-	-	-	-
A2.14.11.3.4. Perform Alignments	*										
A2.14.11.3.5. Remove and Install Gimbal	*							-	-	-	-
A2.14.11.3.6. Remove and Install Other SRUs								-	-	-	-
A2.14.11.3.7. Repair								-	-	-	-
A2.14.11.3.8. Service	*							-	-	-	-
A2.14.11.4. Adapter Control Detector (ACD) TR: T.O. 11F3-6-2-2											
A2.14.11.4.1. Theory of Operation								-	B	-	-
A2.14.11.4.2. Perform Functional Checkout	*							-	-	-	-
A2.14.11.4.3. Troubleshoot								-	-	-	-
A2.14.11.4.4. Perform Alignments	*							-	-	-	-
A2.14.11.4.5. Remove and Install SRUs								-	-	-	-
A2.14.11.4.6. Repair								-	-	-	-
A2.14.11.5. Control, Target Identification Set Laser (TISL) TR: T.O. 11F13-32-2-2											
A2.14.11.5.1. Theory of Operation								-	B	-	-
A2.14.11.5.2. Perform Functional Checkout	*							-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.11.5.3. Troubleshoot								-	-	-	-
A2.14.11.5.4. Perform Alignments	*							-	-	-	-
A2.14.11.5.5. Remove and Install SRUs								-	-	-	-
A2.14.11.5.6. Repair								-	-	-	-
A2.14.12. Infrared Acquisition/Designation System (IRADS) TR: T.O.s 94-70-11-1-1, -2A, -3, -4, -5, -6											
A2.14.12.1. Description								A	B	-	-
A2.14.12.2. Theory of Operation								-	B	-	-
A2.14.12.3. Turret Maintenance TR: TM 94-70-11-1-1, -2A											
A2.14.12.3.1. Description								-	-	-	-
A2.14.12.3.2. Theory of Operation								-	B	-	-
A2.14.12.3.3. Perform Minimum Performance Test	*							-	-	-	-
A2.14.12.3.4. Perform Alignments											
A2.14.12.3.4.1. Laser	*							-	-	-	-
A2.14.12.3.4.2. Servo/Gimbal	*							-	-	-	-
A2.14.12.3.4.3. Video Chain	*							-	-	-	-
A2.14.12.3.4.4. Disassemble/Reassemble								-	-	-	-
A2.14.12.3.4.5. Troubleshoot								-	-	-	-
A2.14.12.3.4.6. Repair								-	-	-	-
A2.14.12.3.4.7. Clean AZ Bearings	*							-	-	-	-
A2.14.12.4. Servo Maintenance TR: TM 90-70-11-1-1, -3											
A2.14.12.4.1. Description								-	-	-	-
A2.14.12.4.2. Theory of Operation								-	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.12.4.3. Perform Minimum Performance Test	*							-	-	-	-
A2.14.12.4.4. Troubleshoot								-	-	-	-
A2.14.12.4.5. Remove and Install SRUs								-	-	-	-
A2.14.12.4.6. Repair								-	-	-	-
A2.14.12.5. VT/SC Maintenance TR: TM 94-70-11-1-1, -4											
A2.14.12.5.1. Description								-	-	-	-
A2.14.12.5.2. Theory of Operation								-	B	-	-
A2.14.12.5.3. Perform Minimum Performance Test	*							-	-	-	-
A2.14.12.5.4. Perform Alignments	*							-	-	-	-
A2.14.12.5.5. Erase and Program EPROM Boards	*							-	-	-	-
A2.14.12.5.6. Troubleshoot								-	-	-	-
A2.14.12.5.7. Remove and Install SRUs								-	-	-	-
A2.14.12.5.8. Repair								-	-	-	-
A2.14.13. Night Vision Devices											
A2.14.13.1. PVS-4 TR: Applicable T.O.s											
A2.14.13.1.1. Perform Operational Checkout								-	-	-	-
A2.14.13.1.2. Perform Alignments								-	-	-	-
A2.14.13.1.3. Disassemble/Reassemble								-	-	-	-
A2.14.13.2. PVS-5A/B/C TR: T.O.s 12S10-2PVS5-2, 12S10-2PVS5-12											
A2.14.13.2.1. Perform Operational Checkout								-	-	-	-
A2.14.13.2.2. Purge Monocular Assembly								-	-	-	-
A2.14.13.2.3. Perform Alignments								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.13.2.4. Disassemble/Reassemble								-	-	-	-
A2.14.13.3. AVS-6(V)1/2 TR: T.O.s 12S10-2AVS6-21, Applicable T.O.s 12R5-2ASN160-2											
A2.14.13.3.1. Perform Operational Checkout								-	-	-	-
A2.14.13.3.2. Purge Monocular Assembly								-	-	-	-
A2.14.13.3.3. Perform Alignments								-	-	-	-
A2.14.13.3.4. Disassemble/Reassemble								-	-	-	-
A2.14.13.3.5. Remove and Install Optical Combiners								-	-	-	-
A2.14.13.4. PVS-7A/B TR: T.O.s 12S10-2PVS7-21, Applicable T.O.s											
A2.14.13.4.1. Perform Operational Checkout								-	-	-	-
A2.14.13.4.2. Purge Monocular Assembly								-	-	-	-
A2.14.13.4.3. Perform Alignments								-	-	-	-
A2.14.13.4.4. Disassemble/Reassemble								-	-	-	-
A2.14.13.5. AVS-9 TR: TO 12S10-2AVS9-2, TO 12R-2ASN160-2											
A2.14.13.5.1. Perform Operational Checkout								-	-	-	-
A2.14.13.5.2. Purge Monocular Assembly								-	-	-	-
A2.14.13.5.3. Perform Alignments								-	-	-	-
A2.14.13.5.4. Disassemble/Reassemble								-	-	-	-
A2.14.13.5.5. Install/Remove Optical Combiners								-	-	-	-
A2.14.14. Intelligence Reconnaissance Imagery System (IRIS) Camera TR: TM 8011-CAM-2A, T.O. U-2R/U-2S-2-12											
A2.14.14.1. Description								A	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.14.2. Theory of Operation								B	B	-	-
A2.14.14.3. Upload/Download Film	*							-	-	-	-
A2.14.14.4. Use Test and Checkout Console											
A2.14.14.4.1. Perform Preflight Checkout	*							-	-	-	-
A2.14.14.4.2. Perform Postflight Checkout	*							-	-	-	-
A2.14.14.5. Using Fly Away Kit (FAK)											
A2.14.14.5.1. Perform Preflight Checkout	*							-	-	-	-
A2.14.14.5.2. Perform Postflight Checkout	*							-	-	-	-
A2.14.14.6. Perform "Long Functional" Operational Checkout								-	-	-	-
A2.14.14.7. Perform Camera Threading Procedure								-	-	-	-
A2.14.14.8. Remove and Install Upper Roll Cage								-	-	-	-
A2.14.14.9. Remove and Install Film Drive Assemblies								-	-	-	-
A2.14.14.10. Remove and Install Filters								-	-	-	-
A2.14.14.11. Remove and Install SRUs								-	-	-	-
A2.14.14.13. Perform Scheduled Inspections								-	-	-	-
A2.14.15. F-489 Camera System (TROC) TR: F489-SY-2											
A2.14.15.1. Description								A	B	-	-
A2.14.15.2. Theory of Operation								B	B	-	-
A2.14.15.3. Upload/Download Film								-	-	-	-
A2.14.15.4. Use Test and Checkout Console											
A2.14.15.4.1. Perform Preflight Checkout								-	-	-	-
A2.14.15.4.2. Perform Postflight Checkout								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.15.5. Use Fly Away Kit (FAK)											
A2.14.15.5.1. Perform Preflight Checkout								-	-	-	-
A2.14.15.5.2. Perform Postflight Checkout								-	-	-	-
A2.14.15.6. Perform Camera Threading Procedures								-	-	-	-
A2.14.15.7. Remove and Install SRUs								-	-	-	-
A2.14.15.8. Perform Scheduled Inspections								-	-	-	-
A2.14.16. Optical Bar Camera (OBC) TR: SY-OBC-1, SY-OBC-2 (vol. 2)											
A2.14.16.1. Description								A	B	-	-
A2.14.16.2. Theory of Operation								B	B	-	-
A2.14.16.3. Upload/Download Film								-	-	-	-
A2.14.16.4. Use Test and Checkout Console											
A2.14.16.4.1. Perform Preflight Checkout								-	-	-	-
A2.14.16.4.2. Perform Postflight Checkout								-	-	-	-
A2.14.16.5. Use Fly Away Kit (FAK)											
A2.14.16.5.1. Perform Preflight Checkout								-	-	-	-
A2.14.16.5.2. Perform Postflight Checkout								-	-	-	-
A2.14.16.6. Perform "Long Functional" Operational Checkout								-	-	-	-
A2.14.16.7. Perform Camera Threading Procedures								-	-	-	-
A2.14.16.8. Remove and Install SRUs								-	-	-	-
A2.14.16.9. Perform Scheduled Inspections								-	-	-	-
A2.14.16.10. Download Air Tapes Data								-	-	-	-
A2.14.17. T-35 Tracker Camera TR: TP-6543, SP0153,											
A2.14.17.1. Description								A	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.17.2. Theory of Operation								B	B	-	-
A2.14.17.3. Upload/Download Film								-	-	-	-
A2.14.17.4. Perform Preflight Checkout								-	-	-	-
A2.14.17.5. Perform Postflight Checkout								-	-	-	-
A2.14.17.6. Remove and Install SRU's								-	-	-	-
A2.14.17.7. Perform Scheduled Inspections								-	-	-	-
A2.14.18. Mark II Drift Sight System TR: SP-0009/2-1/0,											
A2.14.18.1. Description								A	B	-	-
A2.14.18.2. Theory of Operation								-	B	-	-
A2.14.18.3. Perform Operational Checkout								-	-	-	-
A2.14.18.4. Remove and Install SRUs								-	-	-	-
A2.14.19. Mark IV Hand Control TR: SP-0009/2-1/0,											
A2.14.19.1. Description								A	B	-	-
A2.14.19.2. Theory of Operation								-	B	-	-
A2.14.19.3. Perform Operational Checkout								-	-	-	-
A2.14.19.4. Perform/Verify Adjustment											
A2.14.19.4.1. Resolver								-	-	-	-
A2.14.19.4.2. Synchro								-	-	-	-
A2.14.19.5. Remove/Install SRUs								-	-	-	-
A2.15. ON-EQUIPMENT MAINTENANCE											
A2.15.1. AAQ-15 Infrared System TR: TO 1C-130(M)H-2-8											
A2.15.1.1. MC-130H											
A2.15.1.1.1. Perform Operational Checkout	*							-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.15.1.1.2. Remove and Install LRUs											
A2.15.1.1.2.1. Control Converter								-	-	-	-
A2.15.1.1.2.2. Receiver	*							-	-	-	-
A2.15.1.1.2.3. Close out Panel								-	-	-	-
A2.15.1.1.2.4. Monitors								-	-	-	-
A2.15.1.1.3. Boresight	*							-	-	-	-
A2.15.1.1.4. Aircraft Avionic System Integration								-	-	-	-
A2.15.1.1.5. Perform Phase Inspection								-	-	-	-
A2.15.1.1.6. Perform Set Defaults								-	-	-	-
A2.15.1.1.7. Remove and Install Video Splitter								-	-	-	-
A2.15.1.1.8. Remove and Install Radar IDS Maintenance Switch								-	-	-	-
A2.15.2. AAQ-17 Infrared System											
A2.15.2.1. AC-130H TR: TO 1C-130(A)H-2-14											
A2.15.2.1.1. Perform Operational Checkout	*							-	-	-	-
A2.15.2.1.2. Remove and install LRUs											
A2.15.2.1.2.1. Infrared Receiver	*							-	-	-	-
A2.15.2.1.2.2. Control Converter								-	-	-	-
A2.15.2.1.2.3. Set Control								-	-	-	-
A2.15.2.1.2.4. Gimbal Position Control Unit								-	-	-	-
A2.15.2.1.2.5. Monitor								-	-	-	-
A2.15.2.1.2.6. Close Out Panel								-	-	-	-
A2.15.2.1.3. Load Boresight Values								-	-	-	-
A2.15.2.1.4. Perform Set Defaults								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.15.2.1.5. Aircraft Avionic System Integration								-	-	-	-
A2.15.2.1.6. Perform Phase Inspection								-	-	-	-
A2.15.2.2. AC-130U TR: 1C-130(A)U-2-14											
A2.15.2.2.1. Perform Operational Checkout	*							-	-	-	-
A2.15.2.2.2. Remove and Install LRUs											
A2.15.2.2.2.1. Infrared Receiver	*							-	-	-	-
A2.15.2.2.2.2. Control Converter								-	-	-	-
A2.15.2.2.2.3. Set Control								-	-	-	-
A2.15.2.2.2.4. Gimbal Position Control Unit								-	-	-	-
A2.15.2.2.2.5. Monitor								-	-	-	-
A2.15.2.2.2.6. Close Out Panel								-	-	-	-
A2.15.2.2.3. Boresight								-	-	-	-
A2.15.2.2.4. Perform Set Defaults								-	-	-	-
A2.15.2.2.5. Aircraft Avionic System Integration								-	-	-	-
A2.15.2.2.6. Perform Phase Inspection								-	-	-	-
A2.15.2.3. MC-130P TR: 1C-130(H)H-2-11											
A2.15.2.3.1. Perform Operational Checkout	*							-	-	-	-
A2.15.2.3.2. Remove and Install											
A2.15.2.3.2.1. Infrared Receiver	*							-	-	-	-
A2.15.2.3.2.2. Control Converter								-	-	-	-
A2.15.2.3.2.3. IR Set Control								-	-	-	-
A2.15.2.3.2.4. Gimbal Position Control Unit								-	-	-	-
A2.15.2.3.2.5. Monitors								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.15.2.3.2.6. Close Out Panel								-	-	-	-
A2.15.2.3.3. Load Boresight Values								-	-	-	-
A2.15.2.3.4. Perform Set Defaults								-	-	-	-
A2.15.2.3.5. Aircraft Avionic System Integration								-	-	-	-
A2.15.2.3.6. Perform Phase Inspection								-	-	-	-
A2.15.2.4. C-141B (SOLL II) TR: TO 1C-141B-2-93JG-50-1, 1C-141B-2-93GS-00-1											
A2.15.2.4.1. Perform Operational Checkout	*							-	-	-	-
A2.15.2.4.2. Remove and Install LRUs											
A2.15.2.4.2.1. Infrared Receiver	*							-	-	-	-
A2.15.2.4.2.2. Control Converter								-	-	-	-
A2.15.2.4.2.3. IR Set Control								-	-	-	-
A2.15.2.4.2.4. Gimbal Position Control Unit								-	-	-	-
A2.15.2.4.2.5. Monitors								-	-	-	-
A2.15.2.4.2.6. Close Out Panel								-	-	-	-
A2.15.2.4.3. Perform Set Defaults								-	-	-	-
A2.15.2.4.4. Aircraft Avionic System Integration								-	-	-	-
A2.15.2.4.5. Perform Phase Inspections								-	-	-	-
A2.15.3. AAQ-18 Infrared System											
A2.15.3.1. MH-53J TR: T.O. 1H-53(M)J2-8											
A2.15.3.1.1. Perform Operational Checkout	*							-	-	-	-
A2.15.3.1.2. Remove and Install LRUs											
A2.15.3.1.2.1. Infrared Receiver	*							-	-	-	-
A2.15.3.1.2.2. Power Supply								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.15.3.1.2.3. Electronic Control Amplifier								-	-	-	-
A2.15.3.1.2.4. Infrared Set Control								-	-	-	-
A2.15.3.1.2.5. Infrared Mount Base								-	-	-	-
A2.15.3.1.2.6. Closeout Panel								-	-	-	-
A2.15.3.1.2.7. Monitors								-	-	-	-
A2.15.3.1.3. Boresight	*							-	-	-	-
A2.15.3.1.4. Aircraft Avionic System Integration								-	-	-	-
A2.15.3.1.5. Perform Phase Inspection								-	-	-	-
A2.15.3.2. MC-130E TR: T.O. 1C-130(M)E-2-8											
A2.15.3.2.1. Perform Operational Checkout	*							-	-	-	-
A2.15.3.2.2. Perform Extend/Retract Checkout								-	-	-	-
A2.15.3.2.2.1. Alarm and Warning		*						-	-	-	-
A2.15.3.2.2.2. No Alarm								-	-	-	-
A2.15.3.2.3. Remove and Install LRUs											
A2.15.3.2.3.1. Receiver	*							-	-	-	-
A2.15.3.2.3.2. Power Supply								-	-	-	-
A2.15.3.2.3.3. ECA								-	-	-	-
A2.15.3.2.3.4. Set Control								-	-	-	-
A2.15.3.2.3.5. Mount Base								-	-	-	-
A2.15.3.2.3.6. Monitor								-	-	-	-
A2.15.3.2.3.7. Extend/Retract Control Panel								-	-	-	-
A2.15.3.2.3.8. Monitor Panel								-	-	-	-
A2.15.3.2.3.9. Extend/Retract Actuator (Ballscrew)	*							-	-	-	-
A2.15.3.2.3.10. Pneumatic Panel Components								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.15.3.2.3.11. Pneumatic Door Actuator								-	-	-	-
A2.15.3.2.3.12. FPI								-	-	-	-
A2.15.3.2.3.13. Closeout Panel								-	-	-	-
A2.15.3.2.6.1. Adjust Cable Tension, Door Actuator								-	-	-	-
A2.15.3.2.7. Slave Synchro Alignment								-	-	-	-
A2.15.3.2.8. Pneumatic System											
A2.15.3.2.8.1. Adjust Pressure								-	-	-	-
A2.15.3.2.8.2. Adjust Door Opening Speed								-	-	-	-
A2.15.3.2.8.3. Clean/Replace Pneumatic Panel Filter								-	-	-	-
A2.15.3.2.8.4. Drain Pneumatic Panel Filter								-	-	-	-
A2.15.3.2.9. Aircraft Avionic Systems Integration								-	-	-	-
A2.15.3.2.10. Perform Phase Inspection								-	-	-	-
A2.15.4. AAQ-26 Infrared System TR: T.O. 1C-130(A)H-2-14, 1C-130(A)U-2-14											
A2.15.4.1. Description								A	-	-	-
A2.15.4.2. Theory of Operation								-	-	-	-
A2.15.4.3. AC-130H TR: 1C-130(A)H-2-14											
A2.15.4.3.1. Perform Operational Checkout	*							-	-	-	-
A2.15.4.3.2. Remove and Install											
A2.15.4.3.2.1. Infrared Receiver	*							-	-	-	-
A2.15.4.3.2.2. Control Converter								-	-	-	-
A2.15.4.3.2.3. Gimbal Position Control Unit											
A2.15.4.3.2.4. IR Set Control								-	-	-	-
A2.15.4.3.2.5. Close Out Panel								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.15.4.3.2.6. Monitor								-	-	-	-
A2.15.4.3.3. Boresight								-	-	-	-
A2.15.4.3.4. Aircraft Avionic System Integration								-	-	-	-
A2.15.4.3.5. Perform Phase Inspection											
A2.15.4.4. AC-130U TR: 1C-130(A)U-2-14											
A2.15.4.4.1. Perform Operational Checkout	*							-	-	-	-
A2.15.4.4.2. Remove and Install											
A2.15.4.4.2.1. Infrared Receiver	*							-	-	-	-
A2.15.4.4.2.2. Control Converter								-	-	-	-
A2.15.4.4.2.3. IR Set Control								-	-	-	-
A2.15.4.4.2.4. Close Out Panel								-	-	-	-
A2.15.4.4.2.5. Monitors								-	-	-	-
A2.15.4.4.3. Boresight								-	-	-	-
A2.15.4.4.4. Aircraft Avionic System Integration								-	-	-	-
A2.15.4.4.5. Perform Phase Inspection								-	-	-	-
A2.15.5. LTD/R, AVQ-19/19A TR: TO 1C-130(A)H-2-14, 11F1-1-101											
A2.15.5.1. Perform Operational Checkout	*							-	-	-	-
A2.15.5.2. Remove and Install								-	-	-	-
A2.15.5.2.1. LRUs	*							-	-	-	-
A2.15.5.2.2. Flashlamps								-	-	-	-
A2.15.5.3. TV-LTD/R Harmonization								-	-	-	-
A2.15.5.4. Service	*							-	-	-	-
A2.15.5.5. Aircraft Avionic System Integration								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.15.5.6. Perform Phase Inspection								-	-	-	-
A2.15.6. LLL TV, ASQ-145A(V)2 TR: TO 1C-130(A)H-2-14											
A2.15.6.1. Perform Operational Checkout	*							-	-	-	-
A2.15.6.2. Remove and Install											
A2.15.6.2.1. Camera-Intensifier	*							-	-	-	-
A2.15.6.2.2. WTV Camera								-	-	-	-
A2.15.6.2.3. NTV Camera								-	-	-	-
A2.15.6.2.4. Laser Heads								-	-	-	-
A2.15.6.2.5. Illuminator ECA								-	-	-	-
A2.15.6.2.6. TV ECA								-	-	-	-
A2.15.6.2.7. VSU								-	-	-	-
A2.15.6.2.8. TV/LTD Control								-	-	-	-
A2.15.6.2.9. RCU								-	-	-	-
A2.15.6.2.10. Monitors								-	-	-	-
A2.15.6.2.11. Illuminator Control								-	-	-	-
A2.15.6.2.12. Dewar								-	-	-	-
A2.15.6.2.13. Dewar Faceplate								-	-	-	-
A2.15.6.2.14. Solenoids								-	-	-	-
A2.15.6.2.15. LN2 Rotary Joint								-	-	-	-
A2.15.6.2.16. Cryogenic Lines								-	-	-	-
A2.15.6.3. Perform Alignments											
A2.15.6.3.1. WTV/NTV Alignment								-	-	-	-
A2.15.6.3.2. Laser Illuminator Output Power Adjustment	*							-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.15.6.3.3. Dewar Faceplate Adjustment								-	-	-	-
A2.15.6.4. Service Dewar	*							-	-	-	-
A2.15.6.5. Aircraft Avionic System Integration								-	-	-	-
A2.15.6.6. Phase Inspection								-	-	-	-
A2.15.7. All Light Level Television (ALLTV) System TR: TO 1C-130(A)U-2-14											
A2.15.7.1. Description								A	B	-	-
A2.15.7.2. Theory of Operation								B	B	-	-
A2.15.7.3. Perform Operational Checkout	*							-	-	-	-
A2.15.7.4. Remove and Install											
A2.15.7.4.1. Populated Turret	*							-	-	-	-
A2.15.7.4.2. Control Electronic Unit (CEU)								-	-	-	-
A2.15.7.4.3. Laser control Panel								-	-	-	-
A2.15.7.4.4. System Control Panel								-	-	-	-
A2.15.7.4.5. Close Out Panel								-	-	-	-
A2.15.7.4.6. Optics								-	-	-	-
A2.15.7.4.7. Cameras								-	-	-	-
A2.15.7.4.8. LIA								-	-	-	-
A2.15.7.4.9. LTD/RF								-	-	-	-
A2.15.7.4.10. CCE								-	-	-	-
A2.15.7.4.11. Power Unit								-	-	-	-
A2.15.7.4.12. TCU								-	-	-	-
A2.15.7.4.13. Heat Exchanger								-	-	-	-
A2.15.7.5. Ground Boresight								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.15.7.6. Aircraft Avionic System Integration								-	-	-	-
A2.15.7.7. Phase Inspection								-	-	-	-
A2.15.8. AJQ-24 Stabilized Track Platform TR: 1C-130(A)H-2-14											
A2.15.8.1. Perform Operational Checkout	*							-	-	-	-
A2.15.8.2. Remove and Install											
A2.15.8.2.1. Pedestal	*							-	-	-	-
A2.15.8.2.2. AZ/EL Torque Amplifier								-	-	-	-
A2.15.8.2.3. AZ/EL Gyro								-	-	-	-
A2.15.8.2.4. Manual Controller Unit								-	-	-	-
A2.15.8.2.5. Servo Electronic Unit								-	-	-	-
A2.15.8.2.6. Secant Potentiometer								-	-	-	-
A2.15.8.3. Aircraft Avionic System Integration								-	-	-	-
A2.15.8.4. Perform Phase Inspection								-	-	-	-
A2.15.9. Pave Penny, AAS-35 TR: TO 1A-10A-2-94JG-2											
A2.15.9.1. Perform Operational Checkout	*							-	-	-	-
A2.15.9.2. Remove and Install											
A2.15.9.2.1. POD	*							-	-	-	-
A2.15.9.2.2. ACD	*							-	-	-	-
A2.15.9.2.3. Other LRUs								-	-	-	-
A2.15.9.2.4. Pylon								-	-	-	-
A2.15.9.3. Service	*							-	-	-	-
A2.15.9.4. Aircraft Avionic System Integration								-	-	-	-
A2.15.9.5. Perform Phase Inspection								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.15.9.6. Troubleshoot								-	-	-	-
A2.15.10. Color Airborne Video Tape Recorder (AVTR) TR: Applicable A/C T.O.s											
A2.15.10.1. AC-130H											
A2.15.10.1.1. Perform Operational Checkout								-	-	-	-
A2.15.10.1.2. Remove and Install LRUs								-	-	-	-
A2.15.10.1.3. Aircraft Avionic System Integration								-	-	-	-
A2.15.10.1.4. Perform Phase Inspection								-	-	-	-
A2.15.10.1.5. Clean/Demagnatize								-	-	-	-
A2.15.10.2. AC-130U											
A2.15.10.2.1. Perform Operational Checkout								-	-	-	-
A2.15.10.2.2. Remove and Install LRUs								-	-	-	-
A2.15.10.2.3. Aircraft Avionic System Integration								-	-	-	-
A2.15.10.2.4. Perform Phase Inspection								-	-	-	-
A2.15.10.2.5. Clean/Demagnatize								-	-	-	-
A2.15.10.3. MH-53J											
A2.15.10.3.1. Perform Operational Checkout								-	-	-	-
A2.15.10.3.2. Remove and Install LRUs								-	-	-	-
A2.15.10.3.3. Aircraft Avionic System Integration								-	-	-	-
A2.15.10.3.4. Perform Phase Inspection								-	-	-	-
A2.15.10.3.5. Clean/Demagnatize								-	-	-	-
A2.15.11. Cockpit Television Sensor (CTVS) System TR: Applicable A/C T.O.s											
A2.15.11.1. Perform Operational Checkout								-	-	-	-
A2.15.11.2. Troubleshoot								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.15.11.3. Remove and Install LRUs								-	-	-	-
A2.15.11.4. Aircraft Avionic System Integration								-	-	-	-
A2.15.11.5. Perform Phase Inspection								-	-	-	-
A2.15.12. U-2S TR: U-2R/2S-2-2CL-2, U-2S-6WC-2PE, U-2R/U-2S-2-12, Applicable T.O.s A2.15.12.1. Remove and Install											
A2.15.12.1.1. Upper Q-Bay Hatch	*							-	-	-	-
A2.15.12.1.2. Lower Q-Bay Camera Hatch	*							-	-	-	-
A2.15.12.2. Perform Inspections											
A2.15.12.2.1. Upper Q-Bay in Progress Inspection		*						-	-	-	-
A2.15.12.2.2. Sensor Phase Inspection								-	-	-	-
A2.15.12.2.3. Acceptance Inspection								-	-	-	-
A2.15.13. Intelligence Reconnaissance Imagery System (IRIS) Camera TR: U-2R/U-2S-2-12CL-1											
A2.15.13.1. Remove and Install Camera with Installation Kit	*							-	-	-	-
A2.15.13.2. Perform Operational Checkout	*							-	-	-	-
A2.15.14. F-489 Camera System (TROC) TR: U-2R/U-2S-2-12											
A2.15.14.1. Remove and Install Camera								-	-	-	-
A2.15.14.2. Perform Operational Checkout								-	-	-	-
A2.15.15. Optical Bar Camera TR: U-2R/Ul-2S-2-12											
A2.15.15.1. Remove and Install Camera with Installation Kit								-	-	-	-
A2.15.15.2. Perform Operational Check								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.15.16. Mark II Drift Sight System TR: U-2R/U-2S-2-12, U-2R/R-2S-2-1CL-5											
A2.15.16.1. Remove and Install Knuckle Assembly								-	-	-	-
A2.15.16.2. Remove and Install Head and Tube Assembly								-	-	-	-
A2.15.16.3. Remove and Install Servo Repeater								-	-	-	-
A2.15.16.4. Purge	*							-	-	-	-
A2.15.17. Mark IV Hand Control TR: U-2R/U-2S-2-12											
A2.15.17.1. Remove and Install Mark IV Hand Controls	*							-	-	-	-
A2.15.17.2. Perform and Verify Boresight Procedures	*							-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
ATTACHMENT 3 NOTE 1: This attachment identifies the Air Force standardized STS electronic fundamentals and applications STS entries. NOTE 2: All course requirements are trained in the 3-level resident wartime course. NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision. NOTE 4: Items marked in columns 2a or 2b marked with a *R are optional core tasks for ANG and AFRC.											
A3.1. BASIC TERMS TR: T.O.s 31-1-141-2, 31-1-141-5											
A3.1.1. Scientific Notation								B	-	-	-
A3.1.2. DC Terms								B	-	-	-
A3.1.3. AC terms								B	-	-	-
A3.2. BASIC CIRCUITS TR: TO 31-1-141-2, 31-1-141-9											
A3.2.1. Theory of operation								B	-	-	-
A3.2.2. Troubleshoot circuits								2b	-	-	-
A3.3. BASIC CIRCUIT CALCULATIONS TR: TO 31-1-141-5											
A3.3.1. DC								B	-	-	-
A3.3.2. AC								B	-	-	-
A3.4. RESISTORS TR: TO 31-1-141-2, 31-1-141-15											
A3.4.1. Theory of operation								B	-	-	-
A3.4.2. Isolate faulty resistors								2b	-	-	-
A3.4.3. Color code								B	-	-	-
A3.5. RELAYS/SOLENOIDS TR: T.O.s 31-1-141-2, 31-1-141-3											
A3.5.1. Theory of operation								B	-	-	-
A3.5.2. Isolate faulty relays								2b	-	-	-
A3.5.3. Solenoid theory of operation								B	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.5.4. Isolate faulty solenoids								-	-	-	-
A3.6. INDUCTORS TR: T.O.s 31-1-141-2, 31-1-141-15											
A3.6.1. Theory of operation								B	-	-	-
A3.6.2. Isolate faulty inductors								2b	-	-	-
A3.6.3. Calculations								B	-	-	-
A3.7. CAPACITORS TR: T.O.s 31-1-141-2, -5, -15											
A3.7.1. Theory of operation								B	-	-	-
A3.7.2. Isolate faulty capacitors								2b	-	-	-
A3.7.3. Calculations								B	-	-	-
A3.7.4. Color code								-	-	-	-
A3.8. TRANSFORMERS TR: T.O.s 31-1-141-2, -5, -15											
A3.8.1. Theory of operation								B	-	-	-
A3.8.2. Isolate faulty transformers								2b	-	-	-
A3.8.3. Calculations								B	-	-	-
A3.9. THREE PHASE TRANSFORMERS TRs: T.O.s 31-1-141-2, -15											
A3.9.1. Theory of operation								B	-	-	-
A3.9.2. Isolate faulty three phase transformers								2b	-	-	-
A3.10. DC MOTORS TR: T.O.s 31-1-141-2, -9											
A3.10.1. Theory of operation								B	-	-	-
A3.10.2. Isolate faulty DC motors								-	-	-	-
A3.10.3. Troubleshoot DC motors								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.11. AC MOTORS TR: T.O.s 31-1-141-2, -9											
A3.11.1. Theory of operation								B	-	-	-
A3.11.2. Isolate faulty AC motors								-	-	-	-
A3.11.3. Troubleshoot AC motors								-	-	-	-
A3.12. DC GENERATORS TR: T.O.s 31-1-141-2, -9, -13											
A3.12.1. Theory of operation								B	-	-	-
A3.12.2. Isolate faulty DC generators								-	-	-	-
A3.12.3. Troubleshoot DC generators								-	-	-	-
A3.13. AC GENERATORS TR: T.O.s 31-1-141-2, -9, -13											
A3.13.1. Theory of operation								B	-	-	-
A3.13.2. Isolate faulty AC generators								-	-	-	-
A3.13.3. Troubleshoot AC generators								-	-	-	-
A3.14. ALTERNATORS TR: T.O.s 31-1-141-2, -9											
A3.14.1. Theory of operation								-	-	-	-
A3.14.2. Isolate faulty alternators								-	-	-	-
A3.14.3. Troubleshoot alternators								-	-	-	-
A3.15. SYNCHRO/SERVOS TR: T.O.s 31-1-141-2, -9											
A3.15.1. Theory of operation								B	B	-	-
A3.15.2. Isolate faulty synchro/servos								2b	-	-	-
A3.15.3. Troubleshoot synchro/servos								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.16. CHOPPERS (SYNCHRONOUS VIBRATORS) TR: TO 31-1-141-2											
A3.16.1. Theory of operation								-	-	-	-
A3.16.2. Isolate faulty choppers								-	-	-	-
A3.17. TRANSDUCERS TR: T.O.s 31-1-141-3, -13											
A3.17.1. Theory of operation								B	-	-	-
A3.17.2. Isolate faulty transducers								-	-	-	-
A3.18. METER MOVEMENTS TR: T.O.s 31-1-141-2, -7, -14C											
A3.18.1. Theory of operation								-	-	-	-
A3.18.2. Isolate faulty meter movements								-	-	-	-
A3.19. SOLID STATE DIODES TR: T.O.s 31-1-141-4, -15											
A3.19.1. Theory of operation								B	-	-	-
A3.19.2. Isolate faulty solid state diodes								2b	-	-	-
A3.19.3. Specifications								-	-	-	-
A3.19.4. Color code								-	-	-	-
A3.20. BIPOLAR JUNCTION TRANSISTORS TR: TO 31-1-141-4											
A3.20.1. Theory of operation								B	-	-	-
A3.20.2. Isolate faulty transistors								2b	-	-	-
A3.20.3. Specifications								-	-	-	-
A3.21. INTEGRATED CIRCUITS TR: TO 31-1-141-4											
A3.21.1. Familiarization (Theory of Operation)								B	-	-	-
A3.21.2. Isolate faulty integrated circuits								2b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.21.3. Specifications								-	-	-	-
A3.22. SOLID STATE SPECIAL PURPOSE DEVICES TR: TO 31-1-141-4											
A3.22.1. Theory of operation											
A3.22.1.1. SCR								B	-	-	-
A3.22.1.2. Zener Diode								B	-	-	-
A3.22.1.3. Tunnel Diode								B	-	-	-
A3.22.1.4. LED								B	-	-	-
A3.22.1.5. LCD								B	-	-	-
A3.22.1.6. UJT								B	-	-	-
A3.22.1.7. JFET								B	-	-	-
A3.22.1.8. MOSFET								B	-	-	-
A3.22.2. Isolate faulty special purpose devices								2b	-	-	-
A3.23. ELECTRON TUBES TR: T.O.s 31-1-141-1, -3, -9											
A3.23.1. Theory of operation								B	-	-	-
A3.23.2. Isolate faulty tubes								-	-	-	-
A3.23.3. Specifications								-	-	-	-
A3.24. CATHODE RAY TUBES (CRT) TR: T.O.s 31-1-141-1, -3											
A3.24.1. Theory of operation								B	-	-	-
A3.24.2. Isolate faulty CRTs								-	-	-	-
A3.25. SOLDER/DESOLDER TR: T.O.s 00-25-234, 1-1A-14, 31-1-141-15											
A3.25.1. Terminal connections	*							3b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.25.2. PC Boards	*							3b	-	-	-
A3.25.3. Multipin connectors	*							3b	-	-	-
A3.25.4. Coaxial connections	*							3b	-	-	-
A3.25.5. Video Splice								3b	-	-	-
A3.26. ASSEMBLE SOLDERLESS CONNECTORS TR: TO 1-1A-14, -15											
A3.26.1. Crimp	*							3b	-	-	-
A3.26.2. Coaxial	*							3b	-	-	-
A3.26.3. Multipin	*							3b	-	-	-
A3.26.4. Triax	*							3b	-	-	-
A3.26.5. Pot Connectors								-	-	-	-
A3.27. USE TEST EQUIPMENT TR: T.O.s 31-1-141-1, -7, -8, -9, -10											
A3.27.1. Multimeter, analog								2b	-	-	-
A3.27.2. Oscilloscope	*							2b	b	-	-
A3.27.3. Signal Generator								2b	b	-	-
A3.27.4. Frequency counter								2b	b	-	-
A3.27.5. Spectrum Analyzer								-	b	-	-
A3.27.6. Field strength tester								-	-	-	-
A3.27.7. Multimeter, digital	*							2b	-	-	-
A3.27.8. Digital logic probe								-	-	-	-
A3.27.9. Capacitor tester								-	-	-	-
A3.27.10 Logic current tracer								2b	-	-	-
A3.27.11. Logic pulser								-	-	-	-
A3.27.12. Logic analyzer								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.27.13. Signature analyzer								2b	-	-	-
A3.27.14. Reflectometer	*							(2b)	b	-	-
A3.27.15. RF Power Meter								-	b	-	-
A3.27.16. RF Volt Meter								-	-	-	-
A3.27.17. Dot Bar Generator								-	-	-	-
A3.27.18. Function Generator								-	-	-	-
A3.27.19. Transistor Tester								-	-	-	-
A3.27.20. Phase Angle Volt Meter								-	-	-	-
A3.27.21. Distortion Analyzer								-	-	-	-
A3.27.22. Chart Recorder								-	-	-	-
A3.28. TRANSISTOR AMPLIFIER CIRCUITS TR: T.O.s 31-1-141-1, -4											
A3.28.1. Theory of operation											
A3.28.1.1. Amplifier circuits								B	-	-	-
A3.28.1.2. Stabilization circuits								B	-	-	-
A3.28.1.3. Coupling circuits								B	-	-	-
A3.28.2. Isolate faulty amplifier circuits								2b	-	-	-
A3.28.3. Troubleshoot circuits								2b	-	-	-
A3.29. ELECTRON TUBE AMPLIFIERS TR: TO 31-1-141-3											
A3.29.1. Theory of operation								B	-	-	-
A3.29.2. Isolate faulty tube amplifiers								-	-	-	-
A3.29.3. Troubleshoot tube circuits								-	-	-	-
A3.30. OPERATIONAL AMPLIFIER TR: TO 31-1-141-4											
A3.30.1. Theory of operation								B	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.30.2. Isolate faulty op amp circuits								-	-	-	-
A3.31. POWER SUPPLY CIRCUITS TR: T.O.s 31-1-141-3, -4, -9, -15											
A3.31.1. Theory of operation											
A3.31.1.1. Rectifiers								B	-	-	-
A3.31.1.2. Filters								B	-	-	-
A3.31.1.3. Inverters								B	-	-	-
A3.31.2. Isolate faulty power supplies								2b	-	-	-
.3.31.3. Troubleshoot power supply circuits								2b	-	-	-
A3.32. VOLTAGE REGULATORS TR: T.O.s 31-1-141-3, -4											
A3.32.1. Theory of operation											
A3.32.1.1. Shunt								B	-	-	-
A3.32.1.2. Series - EVR								B	-	-	-
A3.32.1.3. IC - EVR								B	-	-	-
A3.32.2. Isolate faulty voltage regulators								2b	-	-	-
A3.32.3. Troubleshoot voltage regulator circuits								2b	-	-	-
A3.33 RESISTIVE/CAPACITIVE/ INDUCTIVE (RCL) CIRCUITS TR: T.O.s 31-1-141-2, -5											
A3.33.1. Basic operation								B	-	-	-
A3.33.2. Resonant operation								B	-	-	-
A3.33.3. Troubleshoot RCL circuits								2b	-	-	-
A3.33.4. Calculations								B	-	-	-
A3.34. FREQUENCY SENSITIVE FILTERS TR: TO 31-1-141-2											
A3.34.1. Theory of operation								B	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.34.2. Isolate faulty frequency sensitive filters								2b	-	-	-
A3.34.3. Troubleshoot frequency sensitive filter circuits								2b	-	-	-
A3.34.4. Calculations								-	-	-	-
A3.35. WAVE GENERATING CIRCUITS TR: T.O.s 31-1-141-3, -4, -10											
A3.35.1. Theory of operation											
A3.35.1.1. Oscillators								B	-	-	-
A3.35.1.2. Multivibrators								B	-	-	-
A3.35.1.3. Waveshaping Circuits								B	-	-	-
A3.35.2. Isolate faulty wave generating circuits								2b	-	-	-
A3.35.3. Troubleshoot								2b	-	-	-
A3.36. LIMITER CIRCUITS TR: TO 31-1-141-4											
A3.36.1. Theory of Operation											
A3.36.1.1. Diode								B	-	-	-
A3.36.1.2. Zener diode								B	-	-	-
A3.36.1.3. Transistor								B	-	-	-
A3.36.2. Isolate faulty limiters								-	-	-	-
A3.36.3. Troubleshoot limiter circuits								-	-	-	-
A3.37. CLAMPER CIRCUITS TR: TO 31-1-141-4											
A3.37.1. Theory of operation								B	-	-	-
A3.37.2. Isolate faulty clampers								-	-	-	-
A3.37.3. Troubleshoot clamper circuits								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.38. DIGITAL NUMBERING SYSTEMS TR: TO 31-1-141-5											
A3.38.1. Conversions											
A3.38.1.1. Binary								B	-	-	-
A3.38.1.2. Octal								B	-	-	-
A3.38.1.3. Hexadecimal								B	-	-	-
A3.38.2. Math operations											
A3.38.2.1. Binary								B	-	-	-
A3.38.2.2. Octal								B	-	-	-
A3.38.2.3. Hexadecimal								B	-	-	-
A3.38.3. Binary Code Systems								B	-	-	-
A3.39. DIGITAL LOGIC FUNCTIONS TR: T.O.s 31-1-141-4, -5											
A3.39.1. Theory of operation											
A3.39.1.1. Main logic gates								B	-	-	-
A3.39.1.2. Flip flops								B	-	-	-
A3.39.2. Fault isolation techniques								B	-	-	-
A3.39.3. Troubleshoot logic circuits											
A3.39.3.1. Main logic gates								2b	-	-	-
A3.39.3.2. Flip flops								2b	-	-	-
A3.39.4. Logic families											
A3.39.4.1. TTL								B	-	-	-
A3.39.4.2. CMOS								B	-	-	-
A3.40. BOOLEAN EQUATIONS TR: TO 31-1-141-5											
A3.40.1. Diagram to equation								B	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.40.2. Equation to diagram								B	-	-	-
A3.40.3. Simplify Expressions								-	-	-	-
A3.41. COMPUTERS TR: T.O.s 31-1-141-6, -9											
A3.41.1. Operation principles								B	B	-	-
A3.41.2. Load programs								-	-	-	-
A3.41.3. Write/debug programs								-	-	-	-
A3.41.4. Isolate Faulty Major Computer Units								-	-	-	-
A3.41.5. Troubleshoot Computer Subassemblies or Circuits								-	-	-	-
A3.41.6. Types of memories								B	B	-	-
A3.41.7. Peripheral devices								B	B	-	-
A3.41.8. Programming languages								(A)	-	-	-
A3.42. MICROPROCESSOR CONTROLLED SYSTEMS TR: TO 31-1-141-6											
A3.42.1. Theory of operation											
A3.42.1.1. Universal								B	-	-	-
A3.42.1.2. Specific								B	-	-	-
A3.42.2. Isolate faulty microprocessors								2b	-	-	-
A3.43. LOGIC CIRCUITS TR: T.O.s 31-1-141-5, -13											
A3.43.1. Theory of operation											
A3.43.1.1. Counters								B	-	-	-
A3.43.1.2. Registers								B	-	-	-
A3.43.1.3. Combinational Logic Circuits								B	-	-	-
A3.43.2. Isolate Faulty Logic Circuits								2b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.43.3. Troubleshoot logic circuits								2b	-	-	-
A3.44. DIGITAL TO ANALOG AND ANALOG TO DIGITAL CONVERTERS TR: TO 31-1-141-13											
A3.44.1. Theory of operation											
A3.44.1.1. Weighted resistor D/A								B	-	-	-
A3.44.1.2. Approximation A/D								B	-	-	-
A3.44.1.3. Ramp A/D								B	-	-	-
A3.44.2. Isolate faulty converters								-	-	-	-
A3.45. TRANSMISSION LINES TR: T.O.s 31-1-141-7, -8, -9, -11											
A3.45.1. Theory of operation								B	-	-	-
A3.45.2. Perform measurements								-	-	-	-
A3.45.3. Calculations								-	-	-	-
A3.45.4. Isolate faulty transmission lines								-	-	-	-
A3.46. WAVEGUIDES TR: T.O.s 31-1-141-9, -11											
A3.46.1. Theory of operation								B	-	-	-
A3.46.2. Waveguide Inspection								B	-	-	-
A3.47. MICROWAVE OSCILLATORS & AMPLIFIERS TR: T.O.s 31-1-141-3, -10, -11											
A3.47.1. Theory of operation								B	-	-	-
A3.47.2. Tune/adjust								-	-	-	-
A3.47.3. Isolate faulty microwave oscillators or amplifiers								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.48. RESONANT CAVITIES TR: T.O.s 31-1-141-3, -9, -11											
A3.48.1. Theory of operation								B	-	-	-
A3.48.2. Isolate faulty resonant cavities								-	-	-	-
A3.48.3. Tune/adjust								-	-	-	-
A3.49. TRANSMITTERS TR: T.O.s 31-1-141-4, -9, -13											
A3.49.1. Theory of operation											
A3.49.1.1. Amplitude Modulation								B	-	-	-
A3.49.1.2. Frequency Modulation								B	-	-	-
A3.49.1.3. Single Side Band								B	-	-	-
A3.49.1.4. Pulse Modulation								B	-	-	-
A3.49.2. Isolate faulty transmitters								B	-	-	-
A3.49.3. Troubleshoot transmitter circuits								-	-	-	-
A3.50. RECEIVERS TR: T.O.s 31-1-141-4, -9, -13											
A3.50.1. Theory of operation											
A3.50.1.1. Amplitude Modulation								B	-	-	-
A3.50.1.2. Frequency Modulation								B	-	-	-
A3.50.1.3. Single Side Band								B	-	-	-
A3.50.1.4. Pulse Modulation								B	-	-	-
A3.50.2. Isolate faulty receivers								B	-	-	-
A3.50.3. Troubleshoot receiver circuits								B	-	-	-
A3.51. TRANSMISSION POWER TR: T.O.s 31-1-141-7, -8, -11											
A3.51.1. Perform measurements								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.51.2. Calculations								-	-	-	-
A3.52. ANTENNAS TR: TO 31-1-141-12											
A3.52.1. Theory of operation								B	-	-	-
A3.52.2. Perform Alignments								-	-	-	-
A3.52.3. Isolate faulty antennas								-	-	-	-
A3.53. PHOTOSENSITIVE DEVICES TR: T.O.s 31-1-141-3, -4											
A3.53.1. Theory of operation								B	-	-	-
A3.53.2. Isolate faulty photosensitive devices								-	-	-	-
A3.53.3. Charge Couple Device (CCD)											
A3.53.3.1. Theory of Operation								-	B	-	-
A3.54. SUPPORT SUBJECTS TR: T.O.s 00-25-234, 31-1-141-1											
A3.54.1. Safety applicable to electronics								B	-	-	-
A3.54.2. First aid for electrical shock								B	-	-	-
A3.54.3. Electrostatic Sensitive Device (ESD) Control								B	-	-	-
A3.55. 488/1553 Data Bus Communication TR: Applicable T.O.s, MIL-STD-1553B, ANSI/IEEE 488.1-1987 (R1994), 488.2-1993											
A3.55.1. Theory of Operation								-	B	-	-
A3.55.2. Isolate Faulty Bus Lines								-	-	-	-
A3.55.3. Troubleshoot Bus Lines								-	-	-	-

Section B - Course Objective List

4. Measurement: Each proficiency coded CFETP task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective is composed of a condition, behavior, and standard; which states what is expected of the student for each task. The condition is the setting in which the training takes place (i.e. TOs, type of equipment, etc). The behavior is the observable portion of the objective (i.e. perform an operational check). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter code(s) to identify how it is measured. All objectives use the PC code(s) which indicates a progress check is used to measure subject or task knowledge. W indicates a comprehensive written test and is used to measure the subject or task knowledge at the end of a block of instruction. PC/W indicates a subject or task knowledge progress check and a separate measurement of both knowledge and performance elements using a written test.

5. Standard: The standard of written examinations is 70% to 73%, depending on the number of questions on the test. Standards of performance are indicated in the objective and are also indicated on the individual progress check checklist. The checklist is used by the instructor to document each student's progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

6. Proficiency Level: Review column 4A of the CFETP to determine the proficiency level of a particular task or knowledge item. Review the course objective list to determine which STS item the objective supports. Review the proficiency code key in Part II, Section A of this CFETP for an explanation of the proficiency codes. Most task performance is taught to the '2b' proficiency level which means the students can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task. For tasks that are taught to the '3c' proficiency level, students can do all parts of the task and only require a spot check on completed work (competent). The student can also identify why and when a task must be done and why each step is needed.

7. Course Objectives: A detailed listing of initial skills or craftsman course objectives may be obtained by submitting a written request to the AETC Training Manager, 365 TRS/TTR, 609 9th Ave., Stop 242, Sheppard AFB TX, 76311-2335.

Section C - Support Material

8. The following list of support materials is not inclusive; however, it covers the most frequently referenced areas. For further information on the following courses, contact the OPR at:

333 TRS/TTCQS
601 D Street
Keesler AFB, MS 39534-2229
DSN 597-5893

362 TRS/TRR
613 10th Ave.
Sheppard AFB, TX 76311-2352
DSN 736-5206

Course Number	Course Title	Developer
*AFQTP 2EXXX-201L	Workcenter Managers Handbook	333 TRS
*AFQTP 2EXXX-201LB	C-E Managers Handbook	333 TRS
*AFQTP 2EXXX-201G	Maintenance Support	333 TRS
*AFQTP 2EXXX-201P	TMDE Management	333 TRS
*AFQTP 2EXXX-201J	Maintenance Training Program	333 TRS

*Courses can be downloaded from 333 TRS home page at: http://qflight.kee.aetc.af.mil

Course Number	Course Title	Developer
**J6ANU00066-038	Air Force Technical Order System General	362 TRS
**J6ANU00066-039	Air Force Technical Order System General	362 TRS

**These courses are Computer Based Training (CBT), and may be requested as any other course and are listed in AFCAT 36-2223 with ordering procedures.

Section D - Training Course Index

9. Purpose. This section of the CFETP identifies training courses available for the B-1/B-2/B-52 Offensive Avionic Systems Specialty, and shows how the courses are used by each MAJCOM in their career field training programs. For further information on the following courses, contact the 2A5X3X Training Manager at:

365 TRS/TRR
609 9th Ave., Stop 242
Sheppard AFB, TX 76311-2335
DSN 736-7899

10. Air Force In-Resident Courses:

Refer to AFCAT 36-2223, USAF Formal Schools Catalog, for information on all courses listed in this index.

COURSE NO.	COURSE TITLE	OPR	USER
J3ABR2A131 000	Apprentice Avionic Sensors Maintenance	365 TRS	AF, ANG, AFRC
J3ACR2A171 000	Avionic Sensors Craftsman Training	365 TRS	AF, ANG, AFRC
J3AZR2A171 002	LANTIRN Targeting Set Advanced	365 TRS	AF, ANG
J3AZR2A171 003	LANTIRN Support Equipment Advanced	365 TRS	AF, ANG

COURSE NO.	COURSE TITLE	OPR	USER
	Maintenance Training		
J3AQR2A131 000	LANTIRN FMS Prerequisite Course	365 TRS	FMS
J3AQR2A131 001	Pathfinder/Sharpshooter Prerequisite	365 TRS	FMS
J3AQR2A171 000	Peace Fox LANTIRN Training	365 TRS	FMS
J4AST2A171 002	LANTIRN Targeting Set Advanced Maintenance Training (MTT)	365 TRS	ANG

11. Extension Course Institute (ECI) Courses:

365 TRS/TTCDC
609 9th Ave., Stop 242
Sheppard AFB, TX 76311-2335
DSN 736-4111

COURSE NO.	COURSE TITLE	USER
CDC 2A55A1	Basic Offensive Avionic Skills	AF
CDC 2A55A2	Offensive Avionics Journeyman (B-1)	AF
CDC 2A55A3	Offensive Avionics Journeyman (B-52)	AF
CDC 2A55A4	Offensive Avionics Journeyman (B-2)	AF
CDC 2AX7X	Aerospace Maintenance Craftsman	AF

12. Exportable Courses:

For further information on the following exportable courses, contact the OPRs at:

367 TRS/TRSS
6058 Aspen Ave.
Hill AFB, UT 84056-5805
DSN 777-7830/8741

362 TRS
613 10th Ave.
Sheppard AFB, TX 76311-2352
DSN 736-5206

The Hill AFB course catalog can be ordered from DSN 777-0160.

COURSE NO.	**COURSE TITLE**	**OPR**	**USER**
00TVT0000	FOD Prevention (VHS tape)	367 TRS	AF

COURSE NO.	COURSE TITLE	OPR	USER
00TVT0001	Safety and Radio Frequency (RF) Radiation (VHS tape)	367 TRS	AF
00TIV0001	Troubleshooting Techniques (ICW)	367 TRS	AF
00TIV0002	Aerospace Ground Equipment Training (ICW)	367 TRS	AF
00TCB0002	Multimeter Familiarization (ICW)	367 TRS	AF
00CIV0008	Use and Care of Type III Torque Wrenches (5108)	367 TRS	AF
00QIV0009	Torque Wrench Familiarization	367 TRS	AF
00TVT0011	Cold Weather Safety (VHS tape)	367 TRS	AF
00TVT0017	General Aircraft Corrosion Control (VHS tape)	367 TRS	AF
00TIV1000	Aircraft Marshaling (ICW)	367 TRS	AF
01SIV8971	-86 Diesel Power Unit Operation (ICW)	367 TRS	AF
00SIV8972	MA-3D Air Conditioner Operation (ICW)	367 TRS	AF
00LIV0001 (CRSE 1)	LANTIRN Introduction	367 TRS	AF
1SLIV0002V1 (CRSE 1A)	LANTIRN O-Level Handling (F-15E)	367 TRS	AF
00LIV0003 (CRSE 2)	LMSS Mobility Shelter Set (LMSS)	367 TRS	AF
00LIV74P1 (CRSE 3)	LANTIRN Navigation Set	367 TRS	AF
00LIV74N1 (CRSE 4)	LANTIRN EOTS Alignments, Targeting Set Maintenance and System Integration	367 TRS	AF
00TIV74PB	LANTIRN Navigation Set Radar Transmitter Tuning	367 TRS	AF
15MIV7403 (AV PT 3)	F-15E Navigation Systems	367 TRS	AF
J6ANU00066-038	Air Force Technical Order (T.O.) System (Gen)	362 TRS	AF
J6ANU00066-039	Air Force Technical Order (T.O.) System (Gen) (Adv)	362 TRS	AF
J6AZU00066-058	Air Force Maintenance Data Collection System	362 TRS	AF
J6AZU00066-059	Air Force Maintenance Data Collection System	362 TRS	AF
J6AZU00066-061	Air Force Maintenance Data Collection System Operators Course (Intro)	362 TRS	AF

COURSE NO.	COURSE TITLE	OPR	USER
J6AZU00066 062	Air Force Maintenance Data Collection System Mid Level Maintenance Mgrs	362 TRS	AF
J6AZU00066 063	Air Force Maintenance Data Collection System Senior Level Maintenance Mgrs	362 TRS	AF

13. Training Detachment (TD) Courses:

For further information on the TD courses, contact the OPRs at:

372 TRS
912 I Ave. Suite 3
Sheppard AFB, TX 76311-2361
DSN 736-4801

COURSE NO.	COURSE TITLE	OPR	USER
J4AMF/ASF/AST 2A1X1 000	AN/AAQ-15/-17, Infrared Systems Maintenance I Level	373 TRS	AF, ANG
J4AMF/ASF/AST 2A1X1 001	A-10 Avionic Sensor Systems	372 TRS	AF
J4AMF/ASF/AST 2A1X1 014	MC-130H Sensors, Organizational Maintenance	373 TRS	AF
J4AMF/ASF/AST 2A1X1 017	AN/ASQ-145(V)2 & AN/AVQ-19, Intermediate Intermediate Maintenance (130)	373 TRS	AF
J4AMF/ASF/AST 2A1X1 019	AN/AAQ-18, Forward Looking Infrared (FLIR) System, Intermediate Maintenance	373 TRS	AF
J4AMF/ASF/AST 2A1X1 029	AC-130 Photo Sensors Maint. Technician (OM)	373 TRS	AF
J4AMF/ASF/AST 2A1X1 030	AN/AAQ-18, Forward Looking Infrared (FLIR)(O-Level), H-53J Helicopter	373 TRS	AF
J4AMF/ASF/AST 2A1X1 031	MC-130E, AN/AAQ-18, FLIR (O-Maintenance)	373 TRS	AF

14. Course Under Development/Revision:

Currently, the CDCs are in revision. New volumes will be available in an August 1998 – January 1999 time frame.

Section E – MAJCOM Unique Requirements

15. Currently only Air Combat Command has a MAJCOM mandatory course list (MMCL). MAJCOMs change mandatory course requirements occasionally. Up-to-date ACC requirements can be obtained at http://www.acclog.af.mil/lgq/lgqt/98mmcl.doc. Refer to the HQ ACC MMCL for additional information. As of the most recent ACC MMCL, dated 28 Aug 98, there are no mandatory course requirements for this AFSC.

16. Additional courses available from ACC.

Contact the course OPRs at:

HQ ACC LSG / OL-CA
6058 Aspen
Hill AFB, UT 84056-5805
DSN 777-4278

COURSE NO.	COURSE TITLE	OPR	USER
Y140009	ACC Production Superintendent	HQ ACC/ LSG	ACC
Y140015	ACC Maintenance Instructor	HQ ACC/ LSG	ACC
Y140020	ACC Maintenance Training Management	HQ ACC/ LSG	ACC